TASK FORCE TIPS®
FIRE FIGHTING EQUIPMENT



Price List and Product Specifications

Effective August 1, 2020

800-348-2686 • 219-462-6161 • TFT.com

Task Force Tips saves lives and protects property by designing and manufacturing innovative tools which exceed the expectations of those that risk their lives to save others.

TASK FORCE TIPS LLC
ISO 9001:2015
10001004 QM15

Contact your local TFT distributor for information, literature, demonstrations and support.

WHAT'S NEW



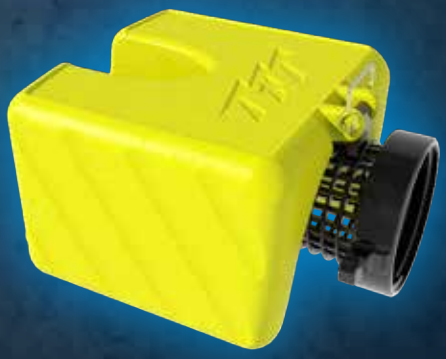
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Sho-Flow App

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Floating Barrel Strainer

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Vortex 3 ER

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High Rise Kit

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Customer Support Information

CONTACT INFORMATION

Customer Technical Service: . . . . . service@tft.com

North America Sales: . . . . . sales@tft.com

International Sales: . . . . . intsales@tft.com

24-Hour Turnaround Factory Service

24-Hour Technical Hotline . . . . . 800-854-6864 • 219-462-6161

ORDERING INFORMATION

VERBAL ORDERS: Are accepted; however, any mistakes in ordering will be the responsibility of the customer. E-mail or faxed purchase orders are highly recommended. E-mail to sales@tft.com or fax to 219-464-7155.

TERMS: Net 30 days. Subject to credit approval. Subject to finance charge of one and one half percent (1.5%) per month.

DELIVERY: F.O.B. Factory. Shipments under 150 lb. (per box) will be sent by regular United Parcel Service. Please advise if other methods such as express shipment, or common carrier are required. Large items may be shipped by common carrier. Some orders for larger quantities may be bulk packed.

EXPEDITED ORDER PROCESSING

Task Force Tips recognizes that situations arise that may require TFT to consider expediting an existing order.

Upon acceptance of a revised estimated shipping date, a 10% expedite fee will be charged and shown as a separate line item on the invoice.

For additional information, contact Task Force Tips order entry team.

RETURN POLICY

Seller will not consider requests for credit returns made more than 180 days after the date of shipment. Damaged shipments received in a damaged condition must be reported to us immediately upon receipt. No credit returns shall be accepted by Seller unless accompanied by a Return Goods Authorization (RGA) issued by Seller.

Seller shall have no obligation to issue an RGA. Seller reserves the sole right to determine the eligibility of items for credit.

Items which are received in non-returnable condition for credit will be handled in one of the following ways:

- Destroyed with Purchaser's approval
- Returned to Purchaser at its expense
- Refurbished and returned to Purchaser at its expense with its approval
- Partial credit issued to Purchaser at the sole discretion of Seller

Seller will have no responsibility or liability in connection with items returned for credit without an RGA. Credit returns arriving without a valid RGA may be refused. All items returned must be properly packed and identified in accordance with the RGA.

All costs and expenses associated with credit returns shall be borne by Purchaser. Return costs and expenses may include labor, material, administrative, and any other costs and expenses arising out of the return. A minimum 20% restocking charge may be assessed on all credit returns. Any credit will be subject to and conditioned the receipt of the returned items in new, unused, undamaged and saleable condition. All promos that no longer qualify will be reversed. Individual components purchased as part of a "package" may not be returned.

Seller may accept a credit return and waive the restocking or cancellation fee in the event Seller determines that the return was due to an error that was the fault of Seller. Returns for repair do not require an RGA, but should be registered using the TFT website at tft.com/support. The website includes Seller's repair terms and conditions and allows a return repair packing list and address label to be printed and progress of the repair to be tracked. If use of the website is not possible, information concerning repairs can be obtained by calling the Seller's Customer Care Team at 219-462-6161 or writing to Seller at Task Force Tips, 3701 Innovation Way, Valparaiso, IN 46383, USA. Repair returns may be subject to a repair estimate fee that will be waived if the repair is made.

All credit and repair returns are at Purchaser's or its customer's sole risk and expense, and any shipping charges on returned items shall be paid by Purchaser or its customer. No collect shipments will be accepted unless authorized in writing in advance by Seller.

THREAD ORDERING INFORMATION

All products will be delivered with National Hose threads (NH) unless otherwise specified at the time of order.

NH: National Hose threads per NFPA 1963. British Standard Pipe threads (BSP) with 55 degree Whitworth form are produced to ISO 228. Consult factory for further information.

THREAD CODE NOTATION: Special threads, such as NPSH, BSP, can be ordered on most products. **There is no additional charge for special threads.** We maintain a library of hundreds of special thread specifications. Specifications from individual cities with functionally identical threads are grouped together in thread codes. Specifications for threads not in our library will be needed at time of order. Please add 2 - 4 weeks to normal delivery time.

Task Force Tips products are available with many optional inlets. Optional inlet coupling styles are normally kept in stock. Consult factory for your specific requirements. For additional information on thread specifications and ordering, see page 228.

Please include TPI (threads per inch) and ODM (outside diamerer) when placing order. Also provide name of city to assure special threads match your specification.

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Product Category Segmentation

The catalog is presented in four, color-coded general categories of products.
RED -- Initial Attack Products - Hand held nozzles, foam equipment, portable attack monitors.
GREEN -- Apparatus Products - Water supply and discharge appliances.
BLUE -- OEM Installed Products - Products typically installed by fire apparatus manufacturers that require plumbing and electrical installation.
PURPLE -- Industrial Products - Fire protection products for industrial applications.
Each category's contents are listed below.

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- Twister Series

FIXED FLOW EQUIPMENT
- Ball Valve Series
- Smoothbore Tips
- VIT Series
- VORTEX Series
- Metro 0, 1, 2 Series
- Working Fire Series

SELECTABLE NOZZLES
- QuadraFog Series
- ThunderFog Series

AUTOMATIC NOZZLES
- Ultimatic Series
- Mid-Matic Series
- Mid-Force Series
- Handline Series
- Dual Force Series

SPECIALTY NOZZLES
- Dry-Chem Nozzles
- Dual Agent Nozzles

FOAM EQUIPMENT
- In-Line Eductor Series
- Bubble Cup Nozzle Series
- QuadraCup Nozzle Series
- CAFS Nozzles
- FoamJet Nozzles
- FoamJet Attachment Series
- Master Foam Series

FLOW TEST
- SHO-FLOW APP & Meter Series
- Pressure Gauges

PORTABLE MONITOR NOZZLES
- Master Stream
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PORTABLE MONITORS
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- Hemisphere Series

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- ER Nozzles
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- Hurricane Series
- Typhoon Series
- Monsoon Series
- Tsunami Series

APPARATUS VALVES
- Valves and Gateable Valve Kits

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The RED category includes initial attack products such as fixed, selectable, and automatic handheld nozzles, foam injection and application equipment, related foam attachments, portable monitors, and accessories such as ball shut-offs, smoothbore tips, and specialty nozzles.



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3/4" & 1" (19 & 25 mm) TWISTER SERIES

Dual Gallonage

The TWISTER series nozzles are selectable, dual gallonage, combination nozzles that are designed for simplicity and durability. The rubber bumper provides a positive grip and protects the front end. Twisting the shaper from the off position produces the following settings: low flow straight stream, low flow narrow fog, high flow straight stream, and high flow fog. The rugged, economical nozzle also accepts the FJ-MX-D FoamJet multi-expansion foam aspirating attachment.



C1024
C1040
D1024
D1040

- **Two flow settings at 100 psi (7 bar)**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Twist "off" position for positive shut-off**



DS1024
DS1040



DS1024P
DS1040P

- **Two flow settings at 100 psi (7 bar)**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Quick-change rear valve seat**
- **Stainless steel shut-off ball**
- **Twist "off" position for positive shut-off**
- **Pistol grip**

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
C1024	3/4" GHT (19 mm)	10 and 24 GPM (37 and 90 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	
C1040	3/4" GHT (19 mm)	10 and 40 GPM (37 and 150 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	
D1024	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	
D1040	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	
DS1024	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	No	6.25" (15.9 cm)	1.5 lb (0.7 kg)	
DS1040	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	No	6.25" (15.9 cm)	1.5 lb (0.7 kg)	
DS1024P	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	Yes	6.25" (15.9 cm)	1.9 lb (0.9 kg)	
DS1040P	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	Yes	6.25" (15.9 cm)	1.9 lb (0.9 kg)	

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5 " (38 mm) TWISTER SERIES

Dual Gallonage

The TWISTER series nozzles are selectable, dual gallonage, combination nozzles that are designed for simplicity and durability. The rubber bumper provides a positive grip and protects the front end. Twisting the shaper from the off position produces the following settings: low flow straight stream, low flow narrow fog, high flow straight stream, and high flow fog. The rugged, economical nozzle also accepts the FJ-MX-F FoamJet multi-expansion foam aspirating attachment.



F2060
F2095

- **Two flow settings at 100 psi (7 bar)**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Twist "off" position for positive shut-off**



FS2060
FS2095



FS2060P
FS2095P

- **Two flow settings at 100 psi (7 bar)**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Quick-change rear valve seat**
- **Stainless steel shut-off ball**
- **Twist "off" position for positive shut-off**
- **Pistol grip**

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
F2060	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Knurled Rigid Base	No	5.25" (13.3 cm)	1.2 lb (0.5 kg)	
F2095	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Knurled Rigid Base	No	5.25" (13.3 cm)	1.2 lb (0.5 kg)	
FS2060	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	No	7.37" (18.7 cm)	2.4 lb (1.1 kg)	
FS2095	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	No	7.37" (18.7 cm)	2.4 lb (1.1 kg)	
FS2060P	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	Yes	7.37" (18.7 cm)	2.6 lb (1.2 kg)	
FS2095P	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	Yes	7.37" (18.7 cm)	2.6 lb (1.2 kg)	

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BALL VALVES

1.0" (25 mm) & 1.5" (38 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, or can be used for break-and-extend operations

- **Available in 1” (25 mm) and 1.5” (38 mm)**
- **Waterways sized for optimal flow**
- **Optional NFPA colored handles and pistol grips, including a folding pistol grip**
- **All lightweight materials, hardcoat anodized aluminum**
- **Stainless steel shut-off ball**
- **Quick change rear valve seat**



- **1" (25 mm) inlet and outlet**
- **3/4" (19 mm) waterway**
- **Knurled rigid inlet**

D75DR



- **1" (25 mm) inlet and outlet**
- **3/4" (19 mm) waterway**
- **Rocker lug swivel inlet**

D75D



- **Pistol grip**

D75DP



- **1" (25 mm) inlet and outlet**
- **1" (25 mm) waterway**
- **Knurled swivel inlet**

D100D



- **Pistol grip**

D100DP



- **1.5" (38 mm) inlet and outlet**
- **1" (25 mm) waterway**
- **Rocker lug swivel inlet**

F100F



- **Pistol grip**

F100FP

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
D75DR	1.0” NH (25 mm)	1.0” NH (25 mm)	Knurled Rigid Base	No	3/4" (19 mm)	3.75” (9.5 cm)	0.9 lb (0.4 kg)	
D75D	1.0” NH (25 mm)	1.0” NH (25 mm)	Rocker Lug Swivel	No	3/4" (19 mm)	3.75” (9.5 cm)	1.0 lb (0.5 kg)	
D75DP	1.0” NH (25 mm)	1.0” NH (25 mm)	Rocker Lug Swivel	Yes	3/4" (19 mm)	3.75” (9.5 cm)	1.3 lb (0.6 kg)	
D100D	1.0” NH (25 mm)	1.0” NH (25 mm)	Knurled Swivel	No	1.0" (25 mm)	3.80” (9.7 cm)	1.4 lb (0.6 kg)	
D100DP	1.0” NH (25 mm)	1.0” NH (25 mm)	Knurled Swivel	Yes	1.0" (25 mm)	3.80” (9.7 cm)	1.4 lb (0.6 kg)	
F100F	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	No	1.0" (25 mm)	3.75” (9.5 cm)	1.5 lb (0.7 kg)	
F100FP	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	Yes	1.0" (25 mm)	3.75” (9.5 cm)	1.7 lb (0.8 kg)	

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BALL VALVES

1.5" (38 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, or can be used for break-and-extend operations

- **1.5” (38 mm) inlet and outlet**
- **Rocker lug swivel inlet**
- **Waterways sized for optimal flow**
- **All lightweight materials, hardcoat anodized aluminum**



F125F

- **1.25" (32 mm) waterway**
- **Quick change rear valve seat**
- **Stainless steel shut-off ball**
- **Compact tab style handle**
- **Handle color coded labels included**



- **Pistol grip**

F125FP



F140F

- **1.375" (35 mm) waterway**
- **Quick change rear valve seat**
- **Stainless steel shut-off ball**
- **Compact tab style handle available**



- **Pistol grip**

F140FP



H-VO

- **1.375" (35 mm) waterway**
- **Six detent flow positions**
- **Polymer shut-off ball**



- **Accepts F140SBI smoothbore inserts page 71**
- **Pistol grip**

H-VOI

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
F125F	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	No	1.25" (32 mm)	3.75” (9.5 cm)	1.5 lb (0.7 kg)	
F125FP	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	Yes	1.25" (32 mm)	3.75” (9.5 cm)	1.7 lb (0.8 kg)	
F140F	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	4.00” (10.2 cm)	2.2 lb (1.0 kg)	
F140FP	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	4.00” (10.2 cm)	2.4 lb (1.1 kg)	
Includes six detent flow positions and accepts F140SBI smoothbore insert kits found on page 71.								
H-VO	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	5.25” (13.3 cm)	2.6 lb (1.2 kg)	
H-VOI	1.5” NH (38 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	5.25” (13.3 cm)	2.8 lb (1.3 kg)	

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BALL VALVES

2.5" (64 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, or can be used for break-and-extend operations.

- **Available in 2.5” (64 mm) x 1.5” (38 mm) and 2.5” (64 mm) x 2.5” (64 mm) versions**
- **1.375” (35 mm) waterway**
- **Optional NFPA colored handles and pistol grips, including a folding pistol grip**
- **All lightweight materials, hardcoat anodized aluminum**
- **Quick change rear valve seat**
- **Stainless steel shut-off ball**



J140F

- **2.5" (64 mm) inlet x 1.5" (38 mm) outlet**
- **1.375" (35 mm) waterway**
- **Rocker lug swivel inlet**
- **Quick change rear valve seat**
- **Stainless steel shut-off ball**



J140FP

- **Pistol grip**



J140J

- **2.5" (64 mm) inlet and outlet**
- **1.375" (35 mm) waterway**
- **Rocker lug swivel inlet**
- **Quick change rear valve seat**
- **Stainless steel shut-off ball**



J140JP

- **Pistol grip**

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
J140F	2.5” NH (64 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	5.00” (12.7 cm)	2.7 lb (1.2 kg)	
J140FP	2.5” NH (64 mm)	1.5” NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	5.00” (12.7 cm)	2.9 lb (1.3 kg)	
J140J	2.5” NH (64 mm)	2.5” NH (64 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	7.18” (18.2 cm)	3.4 lb (1.5 kg)	
J140JP	2.5” NH (64 mm)	2.5” NH (64 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	7.18” (18.2 cm)	3.7 lb (1.7 kg)	

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BALL VALVES

2.5" (64 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, can be used for break-and-extend operations, or where ever a high flow ball valve is desired.

- **Available in 2.5" (64 mm) versions**
- **Waterways sized for optimal flow**
- **Optional NFPA colored pistol grips, including a folding pistol grip**
- **All lightweight materials, hardcoat anodized aluminum**
- **Six detent flow positions**
- **Polymer shut-off ball**



H-2VO

- **2.5" (64 mm) inlet and 1.5" (38 mm) outlet**
- **1.375" (35 mm) waterway**
- **Rocker lug swivel inlet**
- **Six detent flow positions**
- **Polymer shut-off ball**
- **Accepts F140SBI smoothbore inserts page 71**



H-2VOI

- **Pistol grip**



H-3VONJ-NJ

- **2.5" (64 mm) inlet and outlet**
- **2" (51 mm) waterway**
- **Rocker lug swivel inlet**
- **Six detent flow positions**
- **Polymer shut-off ball**



H-3VOINJ-NJ

- **Pistol grip**

INCLUDES SIX DETENT FLOW POSITIONS AND ACCEPTS F140SBI Smoothbore INSERT KITS FOUND ON PAGE 71.

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
H-2VO	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	5.25" (13.3 cm)	2.6 lb (1.2 kg)	
H-2VOI	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	5.25" (13.3 cm)	2.8 lb (1.3 kg)	

INCLUDES SIX DETENT FLOW POSITIONS.

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
H-3VONJ-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Swivel	No	2.0" (51 mm)	7.18" (18.2 cm)	5.7 lb (2.6 kg)	
H-3VOINJ-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Swivel	Yes	2.0" (51 mm)	7.18" (18.2 cm)	5.9 lb (2.7 kg)	

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

SMOOTHBORE TIPS

1.0" (25 mm) & 1.5" (38 mm)

- All lightweight materials
- Hardcoat anodized aluminum
- Flow Charts in US and Metric units laser engraved on most units



- Six smoothbore set black nylon
- Coupling hardcoat anodized aluminum with gasket
- Easily changeable tips

DSB



FSS3 through FSS12

MODEL	INLET FEMALE	ORIFICE	LENGTH	WEIGHT	LIST PRICE
DSB	1.0 NH (25 mm)	1/8", 3/16", 1/4", 5/16", 3/8", & 7/16" (3, 5, 6, 8, 10 & 11 mm)	3.37" (8.6 cm)	0.4 lb (0.2 kg)	
FSS5	1.5" NH (38 mm)	1/2" (13 mm)	4.00" (10.2 cm)	0.4 lb (0.2 kg)	
FSS6	1.5" NH (38 mm)	5/8" (16 mm)	4.00" (10.2 cm)	0.6 lb (0.3 kg)	
FSS7	1.5" NH (38 mm)	3/4" (19 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	
FSS8	1.5" NH (38 mm)	7/8" (22 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	
FSS12	1.5" NH (38 mm)	15/16" (24 mm)	5.00" (12.7 cm)	0.5 lb (0.2 kg)	
FSS9	1.5" NH (38 mm)	1.0" (25 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	
FSS3	1.5" NH (38 mm)	1-1/16" (27 mm)	5.00" (12.7 cm)	0.7 lb (0.3 kg)	
FSS10	1.5" NH (38 mm)	1-1/8" (29 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	
FSS4	1.5" NH (38 mm)	1-3/16" (30 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	
FSS11	1.5" NH (38 mm)	1-1/4" (32 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	
FSS15075	1.5" NH (38 mm)	.764" (19.4 mm)	5.0" (12.7 cm)	0.6 lb (0.3 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

SMOOTHBORE TIPS

1.5" (38 mm)



- With smooth inside taper
- 1.5" (38 mm) inlet thread is standard

FF151 through FF157

- All lightweight materials
- Hardcoat anodized aluminum
- Flow Charts in US and Metric units laser engraved on most units



FSNYSTACK



FS-2STACK



FS-22STACK



FS-3STACK

MODEL	INLET FEMALE	ORIFICE	LENGTH	WEIGHT	LIST PRICE
FF151	1.5" NH (38 mm)	1/2" (13 mm)	3.00" (7.6 cm)	0.22 lb (0.10 kg)	
FF152	1.5" NH (38 mm)	5/8" (16 mm)	3.00" (7.6 cm)	0.22 lb (0.10 kg)	
FF157	1.5" NH (38 mm)	7/8" (22 mm)	3.00" (7.6 cm)	0.22 lb (0.10 kg)	
FF153	1.5" NH (38 mm)	15/16" (24 mm)	2.75" (7.0 cm)	0.20 lb (0.09 kg)	
FF154	1.5" NH (38 mm)	1" (25 mm)	2.50" (6.4 cm)	0.17 lb (0.08 kg)	
FF155	1.5" NH (38 mm)	1-1/8" (29 mm)	2.50" (6.4 cm)	0.14 lb (0.06 kg)	
FF156	1.5" NH (38 mm)	1-3/16" (30 mm)	2.50" (6.4 cm)	0.13 lb (0.06 kg)	
FSNYSTACK	1.5" NH (38 mm)	15/16" and 1/2" (24 mm and 13 mm)	6.62" (16.9 cm)	0.8 lb (0.4 kg)	
FS-2STACK	1.5" NH (38 mm)	1-1/8" - 1.0" (29 mm - 25 mm)	5.2" (13.2 cm)	0.8 lb (0.4 kg)	
FS-22STACK	1.5" NH (38 mm)	1-1/4" - 1-1/8" (32 mm - 29 mm)	5.2" (13.2 cm)	0.8 lb (0.4 kg)	
FS-3STACK	1.5" NH (38 mm)	1-1/4, 1-1/8", 1.0" (32 mm, 29 mm and 25 mm)	8.50" (21.6 cm)	1.3 lb (0.6 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VIT™ BALL VALVE SERIES

1.5" (38 mm)

The Valve Integral Tip (VIT) Series are a rugged valve with built-in smoothbore tip combination. The outlet thread protector can be quickly retracted with a simple turn to expose the 1.5" (38 mm) outlet thread for tip only nozzle attachment or break-and-extend operations. Available with 1.5" (38 mm) or 2.5" (64 mm) full-time swivel inlet couplings.

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **For use alone or with tip only nozzles**
- **Thread protector rotates back to reveal 1.5" (38 mm) attachment threads**
- **For break-and-extend operations**
- **Six detent flow positions**

HVIT BALL VALVE

MODEL	INTERGAL Smoothbore TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVIT11	7/8" (22 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT12	15/16" (24 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT13	1" (25 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT18	1-1/16" (27 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT14	1-1/8" (29 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT17	1-3/16" (30 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT15	1-1/4" (32 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVIT16	1-3/8" (35 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	



HVIT11

- **1.5" (38 mm) Rocker lug fulltime swivel inlet**
- **Integral stream straightener is removable**
- **Length: 9.26" (23.5 cm)**
- **Weight: 3.8 lb (1.7 kg)**

HVIT BALL VALVE w/PISTOL GRIP

MODEL	INTERGAL Smoothbore TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVITG11	7/8" (22 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG12	15/16" (24 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG13	1" (25 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG18	1-1/16" (27 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG14	1-1/8" (29 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG17	1-3/16" (30 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG15	1-1/4" (32 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	
HVITG16	1-3/8" (35 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	



HVITG11

- **1.5" (38 mm) Rocker lug fulltime swivel inlet**
- **Integral stream straightener is removable**
- **Length: 9.26" (23.5 cm)**
- **Weight: 4.1 lb (1.9 kg)**

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VIT™ BALL VALVE SERIES

2.5" (64 mm)

The Valve Integral Tip (VIT) Series are a rugged valve with built-in smoothbore tip combination. The outlet thread protector can be quickly retracted with a simple turn to expose the 1.5" (38 mm) outlet thread for tip only nozzle attachment or break-and-extend operations. Available with 1.5" (38 mm) or 2.5" (64 mm) full-time swivel inlet couplings.

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **For use alone or with tip only nozzles**
- **Thread protector rotates back to reveal 1.5" (38 mm) attachment threads**
- **For break-and-extend operations**
- **Six detent flow positions**

HVIT BALL VALVE

MODEL	INTERGAL Smoothbore TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVIT21	7/8" (22 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT22	15/16" (24 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT23	1" (25 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT28	1-1/16" (27 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT24	1-1/8" (29 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT27	1-3/16" (30 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT25	1-1/4" (32 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVIT26	1-3/8" (35 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	



HVIT21

- **2.5" (64 mm) Rocker lug fulltime swivel inlet**
- **Integral stream straightener is removable**
- **Length: 9.26" (23.5 cm)**
- **Weight: 4.2 lb (1.9 kg)**

HVIT BALL VALVE w/PISTOL GRIP

MODEL	INTERGAL Smoothbore TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVITG21	7/8" (22 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG22	15/16" (24 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG23	1" (25 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG28	1-1/16" (27 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG24	1-1/8" (29 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG27	1-3/16" (30 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG25	1-1/4" (32 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	
HVITG26	1-3/8" (35 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	



HVITG21

- **2.5" (64 mm) Rocker lug fulltime swivel inlet**
- **Integral stream straightener is removable**
- **Length: 9.41" (23.9 cm)**
- **Weight: 4.5 lb (2.0 kg)**

Color Bail Covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VORTEX® SERIES

VORTEX® NOZZLES

A Smoothbore WITH A TWIST



The TFT VORTEX enhances the use of a smoothbore nozzle. With just a simple twist, the VORTEX moves from a hard hitting straight stream to a uniformly dispersed pattern without gating the valve and reducing the fire flow. Available in a tip only, with valve or with valve and grip. A complete range of smoothbore tips are offered separately.

TWO STREAM PATTERNS



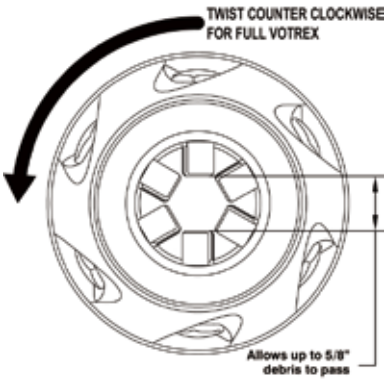
With a simple twist of the index ring, the VORTEX moves from a hard hitting straight stream to a uniformly dispersed pattern for protection, hydraulic ventilation or salvage/overhaul.

ANY Smoothbore



The VORTEX can be paired with any smoothbore up to 1¼" (32 mm) to use on a 1.5" (38 mm) up to a 2.5" (64 mm) hose line. Once the tip is installed onto the VORTEX, you're ready to operate the nozzle.

NO FLOW REDUCTION



Create a dispersed pattern without gating your valve and reducing your fire flow. In addition, VORTEX vanes are less obtrusive than a typical stream straightener, resulting in virtually no friction loss.

For additional information on the VORTEX Series of nozzles visit TFT.com

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VORTEX® SERIES

The Vortex enhances the stream from a smoothbore nozzle. Six short vanes in the bore of the Vortex reduce turbulence in straight stream. Twisting the stream shaper from Stream to Vortex causes the vanes to pivot proportionally. This induces a gentle spin on the water to create a uniformly dispersed vortex stream pattern without reducing flow. Pivoting vanes have virtually no effect on the flow area and flow rate remains constant regardless of stream pattern.

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **For use with smoothbore nozzles**
- **For use with water, foam solution or CAFS**
- **Six detent flow positions**



SVFT

- **1.5" (38 mm) inlet and outlet**
- **Knurled rigid inlet**
- **No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve**



SVFV

- **1.5" (38 mm) inlet and outlet**
- **Rocker lug swivel inlet**
- **Six detent flow positons**



SVFG

- **Pistol grip**



SVFV-NJ

- **2.5" (64 mm) inlet and 1.5" (38 mm) outlet**
- **Rocker lug swivel inlet**
- **Six detent flow positon**



SVFG-NJ

- **Pistol grip**

MODEL	THREADS		COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
SVFT	1.5" NH (38 mm)	1.5" NH (38 mm)	Knurled Rigid	Tip Only	1.375" (35 mm)	4.55" (11.6 cm)	1.9 lb (0.9 kg)	
SVFV	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	8.42" (21.4 cm)	3.8 lb (1.7 kg)	
SVFG	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	8.42" (21.4 cm)	4.1 lb (1.9 kg)	
SVFV-NJ	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	8.57" (21.8 cm)	4.2 lb (1.9 kg)	
SVFG-NJ	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	8.57" (21.8 cm)	4.5 lb (2.0 kg)	

See pages 14-15 for smooth bore tip options.

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.0" (25 mm) METRO 0™ SERIES

Fixed Gallonage

The Metro 0™ is Task Force Tips' lowest flow rate fixed (single) gallonage nozzle series for use on 1" (25 mm) hose lines. Available with bail type shut-off handle, or Impulse™ Trigger Valve System.

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Slide-type valve for turbulance-free flow control**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-U low expansion or FJ-UMX multi-expansion foam attachments**

SERIES	INLET	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
ME0-***	1.0" NH (25 mm)	Knurled full-time swivel	No	9.00" (22.9 cm)	2.1 lb (1.0 kg)	
ME0VPGI-***	1.0" NH (25 mm)	Knurled full-time swivel	Yes	9.00" (22.9 cm)	2.6 lb (1.2 kg)	
ME0TPGI-***	1.0" NH (25 mm)	Knurled full-time swivel	Yes	11.25" (28.6 cm)	3.5 lb (1.6 kg)	



- Six detent flow positon

ME0-*



- Pistol Grip

ME0VPGI-*



- Trigger operated slide valve with detent flow positions and lock

ME0TPGI-*

Folding pistol grip is not available on this model colored grip overlays are available. See page 227 for kits.

METRO 0 — ORDERING MATRIX

METRO 0 1.0" NH (25 mm) FEMALE

M	E	0	-	A	B	C

METRO 0 W/GRIP 1.0" NH (25 mm) FEMALE

M	E	0	V	P	G	I	-	A	B	C

METRO 0 W/TRIG 1.0" NH (25 mm) FEMALE

M	E	0	T	P	G	I	-	A	B	C

A	B	C	GPM	PSI	LPM	BAR	K
0	2	3	20	75	75	5	2.3
0	4	6	40	75	151	5	4.6
0	6	9	60	75	227	5	6.9
0	2	0	20	100	75	7	2.0
0	4	0	40	100	151	7	4.0
0	6	0	60	100	227	7	6.0
1	0	0	100	100	378	7	10.0

Example: ME0VPGI-069 Would be Metro 0 with grip nozzle with a flow calibration disc of 60 gpm @ 75 psi (227 l/min @ 5 bar) and a K factor of 6.9

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs. If the calibration must be changed, request the appropriate free-of-charge calibration change kit.

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) METRO 1™ SERIES

Fixed Gallonage

The Metro 1™ is the mid-range flow rate fixed (single) gallonage nozzle series for use on 1-1/2" (38 mm) hose lines. Available with tip only, twist style shut-off, bail type shut-off handle, or Impulse™ Trigger Valve System.

- **Delivered with specified flow disc installed**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Molded rubber bumper "Power Fog" teeth or stainless steel spinning teeth**
- **Flush without shutting down**
- **Tip only does not shut-off and must be used with a separate valve or playpipe**
- **"Gasket Grabber" inlet screen**
- **Optional colored pistol grip and handle covers**
- **Accepts FJ-HM, FJ-LX-HM low expansion or FJ-MX-HM multi-expansion foam attachments**

SERIES	INLET	COUPLING	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
ME1TO-***	1.5" NH (38 mm)	Rigid Rocker Lug	Fixed Rubber	7.10" (18.0 cm)	2.4 lb (1.1 kg)	
ME1TOS-***	1.5" NH (38 mm)	Rigid Rocker Lug	Stainless Steel Spinning	7.10" (18.0 cm)	2.4 lb (1.1 kg)	



- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve

ME1TO-*
MEITOS-*

METRO 1 TIP 1.5" NH FEMALE

M	E	1	T	O	-	A	B	C

METRO 1 TIP 1.5" NH - SPINNING TEETH

M	E	1	T	O	S	-	A	B	C

NFPA 1964 COMPLIANT

METRO 1 TIP ONLY — ORDERING MATRIX

A	B	C	GPM	PSI	LPM	BAR	K
1	3	4	95	50	360	3	13.4
1	7	7	125	50	473	3	17.7
2	1	2	150	50	568	3	21.2
2	2	6	160	50	606	3	22.6
2	4	7	175	50	662	3	24.7
2	6	2	185	50	700	3	26.2
2	8	3	200	50	757	3	28.3
0	6	9	60	75	227	5	6.9
1	4	4	125	75	473	5	14.4

A	B	C	GPM	PSI	LPM	BAR	K
1	7	3	150	75	568	5	17.3
2	0	2	175	75	662	5	20.2
2	1	4	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
0	6	0	60	100	227	7	6.0
0	9	5	95	100	360	7	9.5
1	2	5	125	100	473	7	12.5
1	5	0	150	100	568	7	15.0
1	7	5	175	100	662	7	17.5

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs. If the calibration must be changed, request the appropriate free-of-charge calibration change kit.

1.5" (38 mm) METRO 1™ SERIES

Fixed Gallonage

The Metro 1™ is the mid-range flow rate fixed (single) gallonage nozzle series for use on 1-1/2" (38 mm) hose lines. Available as tip only, with twist style shut-off, bail type shut-off handle, or Impulse™ Trigger Valve System.

NFPA 1964 COMPLIANT

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Slide-type valve for turbulance-free flow control**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-HM low expansion or FJ-LX-HX low-expansion or FJ-MX-HM multi-expansion foam attachments**



ME1STO-*
MEISTOS-*

- 1.5" (38 mm) Rocker lug rigid inlet
- Twist Valve shut-off



ME1TPGI-*
MEITPGIS-*

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Trigger operated slide valve with detent flow positions and lock



ME1V-*
MEIVS-*

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Six detent flow postions



ME1VPGI-*
MEIVPGIS-*

- Pistol grip

SERIES	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
ME1STO-***	No	Fixed Rubber	10.00" (25.4 cm)	3.4 lb (1.5 kg)	
ME1STOS-***	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.4 lb (1.5 kg)	
ME1V-***	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
MEIVS-***	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
ME1VPGI-***	Yes	Fixed Rubber	11.50" (29.2 cm)	4.9 lb (2.2 kg)	
ME1VPGIS-***	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.9 lb (2.2 kg)	
ME1TPGI-***	Yes	Fixed Rubber	13.00" (33.0 cm)	5.0 lb (2.3 kg)	
ME1TPGIS-***	Yes	Stainless Steel Spinning	13.00" (33.0 cm)	5.0 lb (2.3 kg)	

See Ordering Matrix on Page 23

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) METRO 1™ SERIES

Fixed Gallonage

METRO 1 TIP/TWIST-OFF
1.5" NH (38 mm) FEMALE

M	E	1	S	T	O	-	A	B	C

METRO 1 TIP/TWIST-OFF
1.5" NH (38 mm) FEMALE SPINNING TEETH

M	E	1	S	T	O	S	-	A	B	C

METRO 1 NOZZLE
1.5" NH (38 mm) FEMALE

M	E	1	V	-	A	B	C

METRO 1 NOZZLE 1.5" NH (38 mm)
FEMALE SPINNING TEETH

M	E	1	V	S	-	A	B	C

METRO 1 W/GRIP
1.5" NH (38 mm) FEMALE

M	E	1	V	P	G	I	-	A	B	C

METRO 1 W/GRIP 1.5" NH (38 mm)
FEMALE SPINNING TEETH

M	E	1	V	P	G	I	S	-	A	B	C

METRO 1 W/TRIG 1.5" NH (38 mm) FEMALE

M	E	1	T	P	G	I	-	A	B	C

METRO 1 W/TRIG 1.5" NH (38 mm)
FEMALE SPINNING TEETH

M	E	1	T	P	G	I	S	-	A	B	C

METRO 1 VALVED NOZZLE — ORDERING MATRIX

A	B	C	GPM	PSI	LPM	BAR	K
0	5	7	40	50	151	3	5.7
1	3	4	95	50	360	3	13.4
1	7	7	125	50	473	3	17.7
2	1	2	150	50	568	3	21.2
2	2	6	160	50	606	3	22.6
0	4	6	40	75	151	5	4.6
0	6	9	60	75	227	5	6.9
1	1	0	95	75	360	5	11.0
1	4	4	125	75	473	5	14.4
1	7	3	150	75	568	5	17.3

A	B	C	GPM	PSI	LPM	BAR	K
2	0	2	175	75	662	5	20.2
2	1	4	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
0	4	0	40	100	151	7	4.0
0	6	0	60	100	227	7	6.0
0	9	5	95	100	360	7	9.5
1	2	5	125	100	473	7	12.5
1	5	0	150	100	568	7	15.0
1	7	5	175	100	662	7	17.5
2	0	0	200	100	757	7	20.0

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs. If the calibration must be changed, request the appropriate free-of-charge calibration change kit.

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) METRO 2™ SERIES

Fixed Gallonage

The Metro 2™ is Task Force Tips' high flow rate fixed (single) gallonage nozzle series for use on 1.5" (38 mm) & 2.5" (64 mm) hose lines. Available as tip only, or with bail type shut-off handle.

NFPA 1964 COMPLIANT

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Six detent flow positions**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachments**



ME2TO-***

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve



ME2V-***

- 1.5" (38 mm) Rocker lug fulltime swivel inlet



ME2VPGI-***

- Pistol grip

See Ordering Matrix on Page 25

SERIES	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
ME2TO-***	1.5" NH (38 mm)	No	Fixed Rubber	7.60" (19.3 cm)	3.9 lb (1.8 kg)	
ME2V-***	1.5" NH (38 mm)	No	Fixed Rubber	12.70" (32.3 cm)	6.4 lb (2.9 kg)	
ME2VPGI-***	1.5" NH (38 mm)	Yes	Fixed Rubber	12.70" (32.3 cm)	6.6 lb (3.0 kg)	
ME22TO-***	2.5" NH (64 mm)	No	Fixed Rubber	8.30" (21.1 cm)	4.2 lb (1.9 kg)	
ME22V-***	2.5" NH (64 mm)	No	Fixed Rubber	13.60" (34.5 cm)	6.8 lb (3.1 kg)	
ME22VPGI-***	2.5" NH (64 mm)	Yes	Fixed Rubber	13.60" (34.5 cm)	7.0 lb (3.2 kg)	
ME2BLITZ-***	2.5" NH (64 mm)	No	Fixed Rubber	15.50" (39.4 cm)	9.7 lb (4.4 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) METRO 2™ SERIES

Fixed Gallonage



- 2.5" (64 mm) Rocker lug rigid inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve

ME22TO-***



- 2.5" (64 mm) Rocker lug fulltime swivel inlet

ME22V-***



- Pistol grip

ME22VPGI-***



- 2.5" (64 mm) Rocker lug fulltime swivel inlet
- **Rubber** coated playpipe handles

ME2BLITZ-***

METRO 2 1.5" (38mm) ORDERING MATRIX

METRO 2 TIP - 1.5" NH (38 mm) FEMALE

M	E	2	T	O	-	A	B	C

METRO 2 - 1.5" NH (38mm) FEMALE

M	E	2	V	-	A	B	C

METRO 2 W/GRIP - 1.5" NH (38mm) FEMALE

M	E	2	V	P	G	I	-	A	B	C

METRO 2 2.5" (64 mm) ORDERING MATRIX

METRO 2 TIP - 2.5" NH (64 mm) FEMALE

M	E	2	2	T	O	-	A	B	C

METRO 2 NOZZLE - 2.5" NH (64 mm)FEMALE

M	E	2	2	V	-	A	B	C

METRO 2 W/GRIP - 2.5" NH (64 mm) FEMALE

M	E	2	2	V	P	G	I	-	A	B	C

METRO 2 PLAYPIPE - 2.5" NH (64 mm) FEMALE

M	E	2	B	L	I	T	Z	-	A	B	C

A	B	C	GPM	PSI	LPM	BAR	K
2	6	2	185	50	700	3	26.2
3	5	4	250	50	946	3	35.4
1	4	4	125	75	473	5	14.4
2	1	3	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
2	8	9	250	75	946	5	28.9
0	9	5	95	100	360	7	9.5
1	7	5	175	100	662	7	17.5
2	5	0	250	100	946	7	25.0
3	2	5	325	100	1230	7	32.5

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs. If the calibration must be changed, request the appropriate free-of-charge calibration change kit.

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) WORKING FIRE SERIES

Fixed Gallonage WITH Pressure Relief

Working Fire nozzle delivers revolutionary performance to the fixed GPM nozzle category. The Working Fire is a 150 gpm @ 75 psi (568 l/min @ 5 bar) fixed GPM nozzle that includes TFT's exclusive pressure relief at high flows to limit nozzle reaction.

At low flows, just like every other fixed GPM nozzle, it's clear from the stream quality that optimum flow has not yet been reached. When you achieve the 150 gpm (568 l/min) flow rate, the nozzle flows great and there is about 65 lbs (29 kg) of nozzle reaction force.

But when you need a lot more GPM, that's where the Working Fire excels. By integrating pressure relief, a 33% increase in flow rate only yields a 33% increase in reaction force. With the Working Fire nozzle, TFT is able to deliver high 200 gpm (757 l/min) with about 30 lbs (13.6 kg) less reaction force than competive nozzles.



WF1TF-173
WF1TFS-173

- 1.5" (38 mm) Non full-time swivel rocker lug inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve
- Accepts FJ-HM, FJ-LX-HM, FJ-MX-HM low and medium expansion foam attachments



WF1VF-173
WF1VFS-173

- 1.5" (38 mm) Rocker lug full-time swivel inlet
- Stainless steel shut-off ball
- Accepts FJ-HM, FJ-LX-HM, FJ-MX-HM low and medium expansion foam attachments



- Pistol grip

WF1GF-173
WF1GFS-173

Hydraulically match your Working Fire Nozzle with a 150 gpm @ 75 psi smoothbore

- Hard**coat** anodized aluminum
- 150 gpm @ 75 psi flow/pressure laser engraved



FSS15075



MODEL	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
WF1TF-173	1.5" NH (38 mm)	No	Fixed Power Fog	7.33" (18.6 cm)	2.2 lb (1.0 kg)	
WF1TFS-173	1.5" NH (38 mm)	No	Stainless Steel Spinning	7.33" (18.6 cm)	2.2 lb (1.0 kg)	
WF1VF-173	1.5" NH (38 mm)	No	Fixed Power Fog	10.40" (26.4 cm)	4.4 lb (2.0 kg)	
WF1VFS-173	1.5" NH (38 mm)	No	Stainless Steel Spinning	10.40" (26.4 cm)	4.4 lb (2.0 kg)	
WF1GF-173	1.5" NH (38 mm)	Yes	Fixed Power Fog	10.40" (26.4 cm)	4.7 lb (2.1 kg)	
WF1GFS-173	1.5" NH (38 mm)	Yes	Stainless Steel Spinning	10.40" (26.4 cm)	4.7 lb (2.1 kg)	

MODEL	INLET	OUTLET	FLOW	LENGTH	WEIGHT	LIST PRICE
FSS15075	1.5" NH (38 mm)	.764" (19.4 mm)	150 gpm @ 75 psi	5.0" (12.7 cm)	0.6 lb (0.3 kg)	

Black is the standard color for the stream shaper, handle cover, and pistol grip (if required). These items are also available in Blue, Red, and Yellow at time of order.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) WORKING FIRE SERIES

Fixed Gallonage WITH Pressure Relief



33% increase in flow = **33%** increase in reaction force

TFT WORKING FIRE

150 gpm @ 75 psi = 65 lbs.

160 gpm @ 75 psi = 69 lbs.

185 gpm @ 75 psi = 80 lbs

200 gpm @ 75 psi = 87 lbs.

Pressure relief offers **significantly reduced nozzle reaction force** at high flows.

33% increase in flow = **78%** increase in reaction force

COMPETITOR'S FIXED NOZZLE

150 gpm @ 75 psi = 65 lbs.

160 gpm @ 85 psi = 74 lbs.

185 gpm @ 114 psi = 99 lbs.

200 gpm @ 133 psi= 116 lbs.

Design causes **significantly higher nozzle reaction force** at high flows.



For more information on the Working Fire visit theworkingfire.com

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.0" (25 mm) QUADRAFOG® DQ40 SERIES

Selectable Gallonage

The QuadraFog® DQ40 is selectable gallonage nozzle series for use on 1.0" (25 mm) hose lines. Available as tip only, or with bail type shut-off handle.

NFPA 1964 COMPLIANT

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Metal cut fog teeth or spinning teeth**
- **Accepts FJ-DQ low expansion or the FJ-MX-DQ multi-expansion foam attachments**



DQ40
DQ40S

- 1.0" (25 mm) Knurled rigid thread inlet
- Has an "OFF" position for break and extend operations



DQS40
DQS40S

- 1.0" (25 mm) Rocker lug swivel inlet
- Stainless steel shut-off ball
- Quick-change rear valve seat



DQS40P
DQS40PS

- Pistol grip

DQ40 SERIES
5-10-24-40 GPM (20-40-90-150 LPM)

MODEL	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
DQ40	1.0" NH (25 mm)	No	Fixed Cut Metal	5.00" (12.7 cm)	1.3 lb (0.6 kg)	
DQ40S	1.0" NH (25 mm)	No	Metal Spinning Teeth	5.00" (12.7 cm)	1.3 lb (0.6 kg)	
DQS40	1.0" NH (25 mm)	No	Fixed Cut Metal	7.25" (18.4 cm)	2.0 lb (0.9 kg)	
DQS40S	1.0" NH (25 mm)	No	Metal Spinning Teeth	7.25" (18.4 cm)	2.0 lb (0.9 kg)	
DQS40P	1.0" NH (25 mm)	Yes	Fixed Cut Metal	7.25" (18.4 cm)	2.3 lb (1.0 kg)	
DQS40PS	1.0" NH (25 mm)	Yes	Metal Spinning Teeth	7.25" (18.4 cm)	2.3 lb (1.0 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.0" (25 mm) QUADRAFOG® DQ60 SERIES

Selectable Gallonage

The QuadraFog° DQ60 is selectable gallonage nozzle series for use on 1.0" (25 mm) hose lines. Available as tip only, or with bail type shut-off handle.

NFPA 1964 COMPLIANT

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Metal cut fog teeth or spinning teeth**
- **Accepts FJ-DQ low expansion or the FJ-MX-DQ multi-expansion foam attachments**



DQ60
DQ60S

- 1.0" (25 mm) Knurled rigid thread inlet
- Has an "OFF" position for break and extend operations



DQS60
DQS60S

- 1.0" (25 mm) Rocker lug swivel inlet
- Stainless steel shut-off ball
- Quick-change rear valve seat



DQS60P
DQS60PS

- Pistol grip

DQ60 SERIES
5-10-24-40-60 GPM (20-40-90-150-230 LPM)

MODEL	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
DQ60	1.0" NH (25 mm)	No	Fixed Cut Metal	5.00" (12.7 cm)	1.3 lb (0.6 kg)	
DQ60S	1.0" NH (25 mm)	No	Metal Spinning Teeth	5.00" (12.7 cm)	1.3 lb (0.6 kg)	
DQS60	1.0" NH (25 mm)	No	Fixed Cut Metal	7.25" (18.4 cm)	2.0 lb (0.9 kg)	
DQS60S	1.0" NH (25 mm)	No	Metal Spinning Teeth	7.25" (18.4 cm)	2.0 lb (0.9 kg)	
DQS60P	1.0" NH (25 mm)	Yes	Fixed Cut Metal	7.25" (18.4 cm)	2.3 lb (1.0 kg)	
DQS60PS	1.0" NH (25 mm)	Yes	Metal Spinning Teeth	7.25" (18.4 cm)	2.3 lb (1.0 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) QUADRAFOG® SERIES

Selectable Gallonage

The 30-60-95-125 gpm (110-230-360-470 l/min) QuadraFog° is a selectable gallonage nozzle series for use on 1.5" (38 mm) hose lines. Available as tip only, or with bail type shut-off handle. Available in 100 psi (7 bar) or 75 psi (5 bar) rating.

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Metal cut or stainless steel spinning fog teeth**
- **Accepts FJ-LX-FQ low expansion or the FJ-MX-FQ multi-expansion foam attachments**

- Knurled rigid thread inlet
- Has an "OFF" position for break and extend operations



FQ125F
FQ125S
FQ125LF
FQ125LS

- Rocker lug swivel inlet
- Stainless steel shut-off ball valve



FQS125F
FQS125S
FQS125LF
FQS125LS

- Pistol grip



FQ125PF
FQ125PS
FQ125LPF
FQ125LPS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
FQ125F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	6.87" (17.5 cm)	2.4 lb (1.1 kg)	
FQ125S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	6.87" (17.5 cm)	2.4 lb (1.1 kg)	
FQ125LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	6.87" (17.5 cm)	2.4 lb (1.1 kg)	
FQ125LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	6.87" (17.5 cm)	2.4 lb (1.1 kg)	
FQS125F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	8.37" (21.3 cm)	3.4 lb (1.5 kg)	
FQS125S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	8.37" (21.3 cm)	3.4 lb (1.5 kg)	
FQS125LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	8.37" (21.3 cm)	3.4 lb (1.5 kg)	
FQS125LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	8.37" (21.3 cm)	3.4 lb (1.5 kg)	
FQS125PF	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	8.37" (21.3 cm)	3.6 lb (1.6 kg)	
FQS125PS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	8.37" (21.3 cm)	3.6 lb (1.6 kg)	
FQS125LPF	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Cut Metal	8.37" (21.3 cm)	3.6 lb (1.6 kg)	
FQS125LPS	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Stainless Steel Spinning	8.37" (21.3 cm)	3.6 lb (1.6 kg)	

NFPA 1964 COMPLIANT

FM APPROVED

100 psi models only

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) THUNDERFOG® SERIES

Selectable Gallonage

The ThunderFog° 200 series of selectable gallonage nozzle has selectable flows of 30-60-95-125-150-200 gpm (110-230-360-470-570-750 l/min). The 200 series is an excellent choice for 1.5" (38 mm) or 1.75" (44 mm) hose lines. Available in 100 psi (7 bar) or 75 psi (5 bar) rating.

- **NFPA Compliant**
- **All 100 psi (7 bar) nozzles are FM Approved**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Metal cut or stainless steel spinning fog teeth**
- **Accepts FJ-MX-FT multi-expansion foam attachment**

- Has an "OFF" position for break and extend operations
- Rigid rocker lug inlet



FT200F
FT200S
FT200LF
FT200LS

- Rocker lug swivel inlet
- Quick change rear valve seat
- Stainless steel shut-off ball valve



FTS200F
FTS200S
FTS200LF
FTS200LS

- Pistol grip



FTS200PF
FTS200PS
FTS200LPF
FTS200LPS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
FT200F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	8.25" (21 cm)	3.7 lb (1.7 kg)	
FT200S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	8.25" (21 cm)	3.7 lb (1.7 kg)	
FT200LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	8.25" (21 cm)	3.7 lb (1.7 kg)	
FT200LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	8.25" (21 cm)	3.7 lb (1.7 kg)	
FTS200F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	10.18" (25.9 cm)	5.6 lb (2.5 kg)	
FTS200S	1.5" NH (38 mm)	100 psi 97 bar)	No	Stainless Steel Spinning	10.18" (25.9 cm)	5.6 lb (2.5 kg)	
FTS200LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	10.18" (25.9 cm)	5.6 lb (2.5 kg)	
FTS200LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	10.18" (25.9 cm)	5.6 lb (2.5 kg)	
FTS200PF	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	10.18" (25.9 cm)	5.8 lb (2.6 kg)	
FTS200PS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	10.18" (25.9 cm)	5.8 lb (2.6 kg)	
FTS200LPF	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Cut Metal	10.18" (25.9 cm)	5.8 lb (2.6 kg)	
FTS200LPS	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Stainless Steel Spinning	10.18" (25.9 cm)	5.8 lb (2.6 kg)	

NFPA 1964 COMPLIANT

FM APPROVED

100 psi models only

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) THUNDERFOG® SERIES

Selectable Gallonage

The ThunderFog° 250 series selectable gallonage nozzle has selectable flows of 95-125-150-200-250 gpm (360-470-570-750-950 l/min). The 250 series is an excellent choice for 1.5" (38 mm) through 2.5" (64 mm) lines.

- **NFPA Compliant**
- **FM Approved**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Metal cut or stainless steel spinning fog teeth**
- **Accepts FJ-MX-FT multi-expansion foam attachment**

- Has an "OFF" position for break and extend operations
- Rigid rocker lug inlet



FT250F
FT250S

- Rocker lug swivel inlet
- Quick change rear valve seat
- Stainless steel shut-off ball valve



FTS250F
FTS250S

- Pistol grip



FTS250PF
FTS250PS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
FT250F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	8.25" (21 cm)	3.7 lb (1.7 kg)	
FT250S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	8.25" (21 cm)	3.7 lb (1.7 kg)	
FTS250F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	10.18" (25.9 cm)	5.6 lb (2.5 kg)	
FTS250S	1.5" NH (38 mm)	100 psi 97 bar)	No	Stainless Steel Spinning	10.18" (25.9 cm)	5.6 lb (2.5 kg)	
FTS250PF	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	10.18" (25.9 cm)	5.8 lb (2.6 kg)	
FTS250PS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	10.18" (25.9 cm)	5.8 lb (2.6 kg)	

NFPA 1964 COMPLIANT

FM APPROVED

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) THUNDERFOG® SERIES

Selectable Gallonage

The ThunderFog° 250 series of selectable gallonage nozzle has a selectable flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/ min @ 7 bar). The 250 series is an excellent choice for 2.5" or 3" (64 or 76 mm) hose lines.

- **NFPA Compliant**
- **FM Approved**
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Metal cut or stainless steel spinning fog teeth**
- **Accepts FJ-MX-FT multi-expansion foam attachment**

- Has an "OFF" position for break and extend operations
- Rigid rocker lug inlet



JT250F
JT250S

- Rocker lug swivel inlet
- Stainless steel shut-off ball
- Quick change rear valve seat



JTS250F
JTS250S

- Pistol grip



JTS250PF
JTS250PS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
JT250F	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Cut Metal	9.37" (23.8 cm)	4.7 lb (2.1 kg)	
JT250S	2.5" NH (64 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	9.37" (23.8 cm)	4.7 lb (2.1 kg)	
JTS250F	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Cut Metal	11.40" (29.0 cm)	6.0 lb (2.7 kg)	
JTS250S	2.5" NH (64 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	11.40" (29.0 cm)	6.0 lb (2.7 kg)	
JTS250PF	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	11.40" (29.0 cm)	6.3 lb (2.9 kg)	
JTS250PS	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	11.40" (29.0 cm)	6.3 lb (2.9 kg)	
JTS250PPF	2.5" NH (64 mm)	100 psi (7 bar)	Playpipe	Fixed Cut Metal	15.40" (39.1 cm)	9.2 lb (4.2 kg)	
JTS250PPS	2.5" NH (64 mm)	100 psi (7 bar)	Playpipe	Stainless Steel Spinning	15.40" (39.1 cm)	9.2 lb (4.2 kg)	

NFPA 1964 COMPLIANT

FM
APPROVED
Except Playpipe models

- Rubber coated playpipe handles
- Nozzle is attached to valve and is not removable



JTS250PPF
JTS250PPS

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.0" (25 mm) ULTIMATIC 125 SERIES

Automatic

The TFT ULTIMATIC 125 has an unprecedented flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar) or 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar). The Ultimatic 125 series is an outstanding performer for 1" (25 mm) as well as 1.5" (38 mm) hose.

This nozzle is our recommendation for high pressure applications, on .75", 1.0" and 1.25" (19 mm, 25 mm and 32 mm) hose, up to 800 psi (55 bar).

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-U or FJ-LX-U low expansion or FJ-UMX multi-expansion foam attachment**



B-TO
BL-TO

- 1.0" (25 mm) Knurled rigid thread inlet
- Tip does not shut-off and must be used with a separate valve



B-BH
BL-BH

- 1.0" NH (25 mm) full-time swivel knurled coupling
- Stainless steel slide valve



B-BGH
BL-BGH

- Pistol grip

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
B-TO	1.0" NH (25 mm)	100 psi (7 bar)	No	Fixed Rubber	7.20" (18.3 cm)	1.5 lb (0.7 kg)	
BL-TO	1.0" NH (25 mm)	75 psi (5 bar)	No	Fixed Rubber	7.20" (18.3 cm)	1.5 lb (0.7 kg)	
B-BH	1.0" NH (25 mm)	100 psi (7 bar)	No	Fixed Rubber	9.00" (22.9 cm)	2.1 lb (1.0 kg)	
BL-BH	1.0" NH (25 mm)	75 psi (5 bar)	No	Fixed Rubber	9.00" (22.9 cm)	2.1 lb (1.0 kg)	
B-BGH	1.0" NH (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	2.6 lb (1.2 kg)	
BL-BGH	1.0" NH (25 mm)	75 psi (5 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	2.6 lb (1.2 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) ULTIMATIC 125 SERIES

Automatic

The TFT ULTIMATIC has an unprecedented flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar) or 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar). The Ultimatic series is an outstanding performer for 1.5" (38 mm) hose.

This nozzle is our recommendation for high pressure applications, on .75", 1.0" and 1.25" (19 mm, 25 mm and 32 mm) hose, up to 800 psi (55 bar).

- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-U or FJ-LX-U low expansion or FJ-UMX multi-expansion foam attachment**



BTO-125
BTOL-125

- 1.5" (38 mm) rigid rocker lug coupling
- **Tip** does not shut-off and must be used with a separate valve or valved playpipe.



BH-125
BHL-125

- 1.5" NH (38 mm) full-time swivel rockert lug coupling
- Stainless steel slide valve
- Pistol grip



BGH-125
BGHL-125

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
BTO-125	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	8.50" (21.6 cm)	1.8 lb (0.7 kg)	
BTOL-125	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	8.50" (21.6 cm)	1.8 lb (0.7 kg)	
BH-125	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	
BHL-125	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	
BGH-125	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	
BGHL-125	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.0" (25 mm) & 1.5" (38 mm) ULTIMATIC™ NOZZLES

Automatic With Impulse™ Trigger Valve System

The TFT ULTIMATIC With Impulse™ Trigger Valve System has wide flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar), or 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar). The compact size, and reduced weight making this automatic nozzle an outstanding performer for 0.75" (19mm), 1" (25mm) or 1.5" (38mm) hose.

- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **Trigger operated slide valve with detent flow positions and lock**
- **Accepts FJ-U or FJ-LX-U low expansion or FJ-UHM multi-expansion foam attachment**



B-BGT
BH-BGT*
BL-BGT

- 1.0" (25 mm) knurled fulltime swivel inlet
- Trigger Valve System
- Pistol grips available with NFPA color overlays



BGT-125
BGTL-125

- 1.5" (38 mm) fulltime swivel inlet
- Trigger Valve System
- Pistol grips available with NFPA color overlays

B-BGT *10-125 gpm @ 100 psi (40-500 l/min @ 7 bar)*
BH-BGT *10-70 gpm @ 100 psi (40-250 l/min @ 7 bar)*
**800 psi (55 bar Maximum shut pressure)*
BL-BGT *10-100 gpm @ 75 psi (40-400 l/min @ 5 bar)*

BGT-125 *10-125 gpm @ 100 psi (40-500 l/min @ 7 bar)*
BGTL-125 *10-100 gpm @ 75 psi (40-400 l/min @ 5 bar)*

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
B-BGT	1.0" (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	
BH-BGT	1.0" (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	
BL-BGT	1.0" (25 mm)	75 psi (5 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	
BGT-125	1.5" (38 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	
BGTL-125	1.5" (38 mm)	75 psi (5 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	

Pistol Grip overlays are available in NFPA colors. See page 227 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) MID-MATIC™ SERIES

Mid-Range Automatic

With a wide flow range of 70-200gpm (260-760 l/min), the MID-MATIC can be used on 1.5" (38mm), 1.75" (44 mm) and 2" (51 mm) hoses and has operational pressure choices of 100, 75 or 55 psi (7, 5 or 4 bar). MID-MATIC models are fully NFPA compliant, and are available in tip-only/ball shut-off configuration for break-apart operations, or with stainless steel slide valve, and optional colored pistol grip and handle covers.

- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" or stainless steel spinning fog teeth**
- **Stainless steel slide valve with detent flow control**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment**



- 1.5" (38 mm) Rigid rocker lug thread inlet
- Tip does not shut-off and must be used with a separate valve

HM-TO **HML-TO** **HMK-TO**
HM-TOS **HML-TOS** **HMK-TOS**



- 1.5" (38 mm) Rigid rocker lug thread inlet
- Tip has twist style shut-off valve

HM-STO **HML-STO** **HMK-STO**
HM-STOS **HML-STOS** **HMK-STOS**

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HM-TO	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.3 lb (1.0 kg)	
HM-TOS	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.3 lb (1.0 kg)	
HML-TO	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.3 lb (1.0 kg)	
HML-TOS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.3 lb (1.0 kg)	
HMK-TO	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.3 lb (1.0 kg)	
HMK-TOS	1.5" NH (38 mm)	55 psi (4 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.3 lb (1.0 kg)	
HM-STO	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.5 lb (1.6 kg)	
HM-STOS	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.5 lb (1.6 kg)	
HML-STO	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.5 lb (1.6 kg)	
HML-STOS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.5 lb (1.6 kg)	
HMK-STO	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.5 lb (1.6 kg)	
HMK-STOS	1.5" NH (38 mm)	55 psi (4 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.5 lb (1.6 kg)	

NFPA 1964 COMPLIANT

FM APPROVED

100 psi models only

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) MID-MATIC™ SERIES

Mid-Range Automatic

With a wide flow range of 70-200 gpm (260-760 l/min), the Mid-Matic series can be used on 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose.

- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" or stainless steel spinning fog teeth**
- **Stainless steel slide valve with detent flow control**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment**



- 1.5" NH (38 mm) full-time swivel rockert lug coupling
- Stainless steel slide valve

HM-V **HML-V** **HMK-V**
HM-VS **HML-VS** **HMK-VS**



- 1.5" NH (38 mm) full-time swivel rockert lug coupling
- Stainless steel slide valve
- Pistol grip

HM-VPGI **HML-VPGI** **HMK-VPGI**
HM-VPGIS **HML-VPGIS** **HMK-VPGIS**

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HM-V	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
HM-VS	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
HML-V	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
HML-VS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
HMK-V	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
HMK-VS	1.5" NH (38 mm)	55 psi (4 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	
HM-VPGI	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.8 lb (2.2 kg)	
HM-VPGIS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.8 lb (2.2 kg)	
HML-VPGI	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.8 lb (2.2 kg)	
HML-VPGIS	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.8 lb (2.2 kg)	
HMK-VPGI	1.5" NH (38 mm)	55 psi (4 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.8 lb (2.2 kg)	
HMK-VPGIS	1.5" NH (38 mm)	55 psi (4 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.8 lb (2.2 kg)	

NFPA 1964 COMPLIANT

FM APPROVED

100 psi models only

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) MID-MATIC™ SERIES

Mid-Range Automatic

The TFT Mid-Matic With Impulse™ Trigger Valve System has wide flow range of 70-200 gpm @ 100 psi (260-760 l/min @ 7 bar), 70-200 gpm @ 75 psi (260-760 l/min @ 5 bar), 70-180 gpm @ 55 psi (260-680 l/min @ 4 bar), compact size, and reduced weight making this automatic nozzle an outstanding performer for 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose.

- **Hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth or stainless steel spinning teeth**
- **"Gasket Grabber" inlet screen**
- **Trigger operated slide valve with detent flow positions and lock**
- **Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment**



- 1.5" (38 mm) fulltime swivel inlet
- Trigger operated slide valve with detent flow positions and lock
- Pistol grips available with NFPA color overlays

HM-TPGI **HML-TPGI** **HMK-TPGI**
HM-TPGIS **HML-TPGIS** **HMK-TPGIS**

NFPA 1964 COMPLIANT

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HM-TPGI	1.5" NH (38 mm)	100 psi (7 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HM-TPGIS	1.5" NH (38 mm)	100 psi (7 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HML-TPGI	1.5" NH (38 mm)	75 psi (5 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HML-TPGIS	1.5" NH (38 mm)	75 psi (5 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HMK-TPGI	1.5" NH (38 mm)	55 psi (4 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HMK-TPGIS	1.5" NH (38 mm)	55 psi (4 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	

Pistol Grip overlays are available in NFPA colors. See page 227 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) MID-FORCE™ SERIES

Dual Pressure Automatic

With a wide flow range of 70-200 gpm (260-760 l/min) @ 100/55 psi (7/4 bar) or the low pressure version of 75/45 psi (5/3 bar) the Mid-Force series can be used on 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose. This nozzle is equipped with a low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" or stainless steel spinning fog teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment**



- 1.5" (38 mm) rigid rocker lug thread inlet
- Tip does not shut-off and must be used with a separate valve

HMD-TO **HMDL-TO**
HMD-TOS **HMDL-TOS**



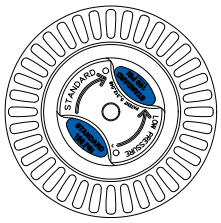
- 1.5" (38 mm) rigid rocker lug thread inlet
- Tip has twist style shut-off valve

HMD-STO **HMDL-STO**
HMD-STOS **HMDL-STOS**

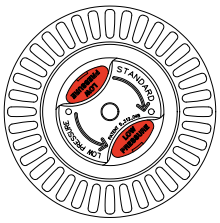


- 1.5" (38 mm) full-time swivel rocker lug thread inlet
- Stainless steel slide valve with detent flow control

HMD-V **HMDL-V**
HMD-VS **HMDL-VS**



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HMD-TO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.5 lb (1.1 kg)	
HMD-TOS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.5 lb (1.1 kg)	
HMDL-TO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.5 lb (1.1 kg)	
HMDL-TOS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.5 lb (1.1 kg)	
HMD-STO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.6 lb (1.6 kg)	
HMD-STOS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.6 lb (1.6 kg)	
HMDL-STO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.6 lb (1.6 kg)	
HMDL-STOS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.6 lb (1.6 kg)	
HMD-V	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 cm)	
HMD-VS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 cm)	
HMDL-V	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 cm)	
HMDL-VS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 cm)	

NFPA 1964 COMPLIANT

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) MID-FORCE™ SERIES

Dual Pressure Automatic

With a wide flow range of 70-200 gpm (260-760 l/min) @ 100/55 psi (7/4 bar) or the low pressure version of 75/45 psi (5/3 bar) the Mid-Force series can be used on 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose. This nozzle is equipped with a low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" or stainless steel spinning fog teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment**



- 1.5" NH (38 mm) full-time swivel rockert lug coupling
- Stainless steel slide valve
- Pistol grip

HMD-VPGI **HMDL-VPGI**
HMD-VPGIS **HMDL-VPGIS**

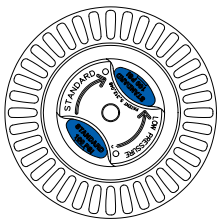


- 1.5" (38 mm) fulltime swivel inlet
- Trigger operated slide valve with detent flow positions and lock
- Pistol grips available with NFPA color overlays

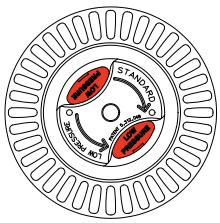
HMD-TPGI **HMDL-TPGI**
HMD-TPGIS **HMDL-TPGIS**

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HMD-VPGI	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.9 lb (2.2 kg)	
HMD-VPGIS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.9 lb (2.2 kg)	
HMDL-VPGI	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.9 lb (2.2 kg)	
HMDL-VPGIS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.9 lb (2.2 kg)	
HMD-TPGI	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HMD-TPGIS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HMDL-TPGI	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	
HMDL-TPGIS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	

NFPA 1964 COMPLIANT



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) HANDLINE SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) or the lower pressure version 95-225 gpm @ 55 psi (360-850 l/min @ 4 bar) the Handline series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



- 1.5" (38 mm) Rigid rocker lug inlet
- Tip does not shut-off and must be used with a separate valve

H-TO HL-TO HK-TO



- 1.5" (38 mm) full-time swivel rocker lug thread inlet
- Stainless steel slide valve with detent flow control

H-V HL-V HK-V

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-TO	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	
HL-TO	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	
HK-TO	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	
H-V	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.8 lb (3.1 kg)	
HL-V	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.8 lb (3.1 kg)	
HK-V	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.8 lb (3.1 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.5" (38 mm) HANDLINE SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) or the lower pressure version 95-225 gpm @ 55 psi (360-850 l/min @ 4 bar) the Handline series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



- 1.5" NH (38 mm) full-time swivel rocket lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted below the valve

H-VPGI **HL-VPGI** **HK-VPGI**



- 1.5" NH (38 mm) full-time swivel rocket lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted behind the valve

H-VPG **HL-VPG** **HK-VPG**

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-VPGI	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	
HL-VPGI	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	
HK-VPGI	1.5" NH (38 mm)	55 psi (5 bar)	No	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	
H-VPG	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	
HL-VPG	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	
HK-VPGI	1.5" NH (38 mm)	55 psi (5 bar)	No	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) HANDLINE SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) allows the Handline to be used on many hose sizes, and this series is an excellent choice for 2.5" (64 mm) and 3" (76 mm) attack lines.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



- 2.5" (64 mm) Rigid rocker lug inlet
- Tip does not shut-off and must be used with a separate valve

H-2TO
HL-2TO



- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control

H-2V
HL-2V



- Pistol grip mounted below the valve

H-2VPGI
HL-2VPGI
HK-2VPGI

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-2TO	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Rubber	10.25" (26.0 cm)	5.0 lb (2.3 kg)	
HL-2TO	2.5" NH (64 mm)	75 psi (5 bar)	No	Fixed Rubber	10.25" (26.0 cm)	5.0 lb (2.3 kg)	
H-2V	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Rubber	13.50" (34.3 cm)	6.8 lb (3.1 kg)	
HL-2V	2.5" NH (64 mm)	75 psi (5 bar)	No	Fixed Rubber	13.50" (34.3 cm)	6.8 lb (3.1 kg)	
H-2VPGI	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	7.0 lb (3.2 kg)	
HL-2VPGI	2.5" NH (64 mm)	75 psi (5 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	7.0 lb (3.2 kg)	
HK-2VPGI	2.5" NH (64 mm)	55 psi (4 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	7.0 lb (3.2 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) HANDLINE SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) allows the Handline to be used on many hose sizes, and this series is an excellent choice for 2.5" (64 mm) and 3" (76 mm) attack lines.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



H-2VPG
HL-2VPG

- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control
- Pistol grip mounted behind the valve



H-2BLITZ
HL-2BLITZ

- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control
- Nozzle is attached to valve and is not removable.

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-2VPG	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	8.5 lb (3.9 kg)	
HL-2VPG	2.5" NH (64 mm)	75 psi (5 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	8.5 lb (3.9 kg)	
H-2BLITZ	2.5" NH (64 mm)	100 psi (7 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	
HL-2BLITZ	2.5" NH (64 mm)	75 psi (5 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

The Dual-Force is all conventional handlines in one. With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



HD-TO
HDL-TO

- 1.5" (38 mm) rigid rocker lug coupling
- Tip does not shut-off and must be used with a separate valve



HD-STO
HDL-STO

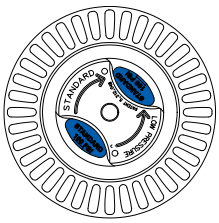
- 1.5" (38 mm) rigid rocker lug coupling
- Tip has twist style shut-off valve



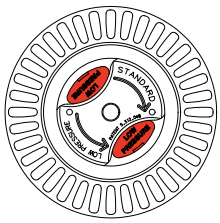
HD-V
HDL-V

- 1.5" (38 mm) Full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-TO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	
HDL-TO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	
HD-STO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	11.00" (28.0 cm)	5.3 lb (2.4 kg)	
HDL-STO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	11.00" (28.0 cm)	5.3 lb (2.4 kg)	
HD-V	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.6 lb (3.0 kg)	
HDL-V	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.6 lb (3.0 kg)	



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

The Dual-Force is all conventional handlines in one. With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted below the valve

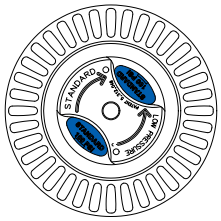
HD-VPGI
HDL-VPGI



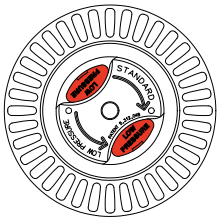
- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted behind the valve

HD-VPG
HDL-VPG

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-VPGI	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	
HDL-VPGI	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	
HD-VPG	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	
HDL-VPG	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 2.5" and 3" (64 & 76 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



- 2.5" (64 mm) rigid rocker lug coupling
- Tip does not shut-off and must be used with a separate valve

HD-2TO
HDL-2TO



- 2.5" (64 mm) rigid rocker lug coupling
- Stainless Steel slide valve with detent flow control

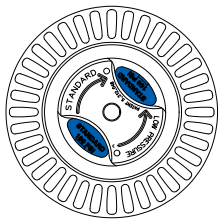
HD-2V
HDL-2V



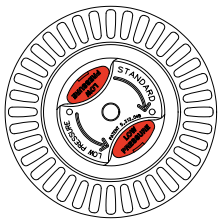
- 2.5" (64 mm) Full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted under valve

HD-2VPGI
HDL-2VPGI

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-2TO	2.5" NH (64 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	10.50" (26.7 cm)	6.0 lb (2.7 kg)	
HDL-2TO	2.5" NH (64 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	10.50" (26.7 cm)	6.0 lb (2.7 kg)	
HD-2V	2.5" NH (64 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	13.50" (34.3 cm)	7.8 lb (3.5 kg)	
HDL-2V	2.5" NH (64 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	13.50" (34.3 cm)	7.8 lb (3.5 kg)	
HD-2VPGI	2.5" NH (64 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	8.0 lb (3.6 kg)	
HDL-2VPGI	2.5" NH (64 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	8.0 lb (3.6 kg)	



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 2.5" and 3" (64 & 76 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- **Lightweight hardcoat anodized aluminum**
- **Flush without shutting down**
- **Molded rubber bumper with "power fog" fog teeth**
- **"Gasket Grabber" inlet screen**
- **Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment**



- 2.5" NH (64 mm) full-time swivel rocket lug coupling
- Stainless steel slide valve with detent flow control
- Pistol grip mounted behind the valve

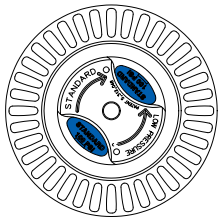
HD-2VPG
HDL-2VPG



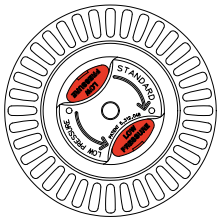
- 2.5" NH (64 mm) full-time swivel rocket lug coupling
- Stainless steel slide valve with detent flow control
- Nozzle is attached to valve and is not removable.

HD-2BLITZ
HDL-2BLITZ

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-2VPG	2.5" NH (64 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	9.0 lb (4.1 kg)	
HDL-2VPG	2.5" NH (64 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	9.0 lb (4.1 kg)	
HD-2BLITZ	2.5" NH (64 mm)	100/55 psi (7/4 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	
HDL-2BLITZ	2.5" NH (64 mm)	75/45 psi (5/3 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

SPECIALTY NOZZLES

The Dry Chemical nozzle is designed for an application rate of 5 pounds per second (2.3 kg/sec), utilizes the same slide-valve design as used for water application and a special front end designed for dry chemicals. Effective reach of the cloud is 75 feet (23 m) at full flow and proportionately less at the six partial valve settings.

The Dual Agent nozzle adds the B-BH Ultimatic nozzle with a flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar) capable of straight stream to wide fog and accepts the FJ-U Foamjet attachment.

The Dual Agent Bubble Cup nozzle adds the DS1040BC with a flow range of 10 & 40 gpm @ 100 psi (37 & 150 l/min @ 7 bar) capable of straight stream, wide fog and aspirated foam.

Dual Agent nozzles are mounted on one pistol grip for ease of use.



- 1.0" (25 mm) swivel inlet
- Six valve settings for flowing appropriate dry chemical agent
- Special front end includes the valve seat and a set of straightening fins
- No adjustment of pattern shape
- Tethered cap keeps out debris

BTFT-DC5
BTFT-DC5-ND



- 1.0" (25 mm) swivel inlets
- Six detent valve settings on the dry chemical nozzle
- Dry chemical special front end includes the valve seat and a set of straightening fins
- Ultimatic is fully automatic pressure control and accepts FJ-U Foamjet attachment

B-DUAL
B-DUAL-ND



- 1.0" (25 mm) swivel inlets
- Six detent valve settings
- Dry chemical special front end includes the valve seat and a set of straightening fins
- Bubble Cup is a dual gallonage foam aspirating nozzle with stainless steel shut-off ball and quick change rear valve seat

B-DC1040BC

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
BTFT-DC5	1.0" NPT (25 mm)	5 lbs / sec	Yes	No	8.00" (20.3 cm)	2.1 lb (1.0 kg)	
BTFT-DC5-ND	1.0" NH (25 mm)	5 lbs / sec	Yes	No	8.00" (20.3 cm)	2.1 lb (1.0 kg)	
B-DUAL	1.0" NPT (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	3.0 lb (1.4 kg)	
B-DUAL-ND	1.0" NH (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	3.0 lb (1.4 kg)	
B-DC1040BC	1.0" NH (25 mm)	100 psi (7 bar)	Yes	Built in Aspiration Head	9.00" (22.9 cm)	4.0 lb (1.8 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FOLDING PISTOL GRIP

This space-saving, folding pistol grip will take up less space and allow the TFT nozzle to fit into tight crosslays and hose beds. It deploys quickly and easily, locking in place automatically. When ready to stow, simply press the lock release button and fold it back. Pistol grip is machined from aluminum alloy and hardcoat anodized for durability and corrosion resistance.

- **Pistol grip is black with white Scotchlite insert**
- **NFPA color inserts are available**
- **Fits all TFT nozzles delivered after 03/01/2001**
- **New nozzles may be ordered with folding pistol grips installed at the factory**





MODEL	FOLDING PISTOL GRIP KIT	LENGTH	WEIGHT	LIST PRICE
HM792-KIT	When ordered for an existing nozzle	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
MODEL	**WHEN ORDERED WITH A NEW NOZZLE**	**LENGTH**	**WEIGHT**	**LIST PRICE**
HM792-DKIT	TWISTER, QuadraFog, Bubble Cup D- SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-FKIT	TWISTER, QuadraFog, Bubble Cup F- SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-FTKIT	FLIP-TIP SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-GKIT	G-FORCE SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-HKIT	HANDLINE / DUAL-FORCE / METRO 2 SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-HMKIT	MIDMATIC / MID-FORCE / METRO 1 / VORTEX SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-JKIT	ThunderFog J-SERIES / WORKING FIRE	8.50" (21.6 cm)	1.7 lb (0.8 kg)	
HM792-UKIT	ULTIMATIC / METRO 0 SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	

NFPA color inserts are available.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

60, 95 & 125 EDUCTOR SERIES

In-line Foam Eductors

In-line Foam Eductors have a metering head with easy to read knob for use with Class A foam at .25% and .5% and with Class B foam at 1%, 3% and 6%. Your choice of extra large 36" (91 cm) pickup hose with stainless steel wand or direct truck connect pickup hose are ideal for use with high viscosity foams. The required inlet pressure is 200 psi (13.8 bar).

- **Flush button for fast cleaning**
- **Removeable metering head**
- **Hardcoat anodized for corrosion protection**
- **Maximum allowable back pressure is 130 psi (8.9 bar)**

See chart on next page for specifications



UE-060-NF

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-060-NJ-NF

- 2.5" (64 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-060-NF-01

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-095-NF

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-095-NJ-NF

- 2.5" (64 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-095-NF-01
UE-095-NF-02*
UE-095-NF-03
UE-095-NF-04**

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet

* 1" (25 mm) Male Cam Lock on Metering Head

** w/ 16" (40 cm) Stainless Steel Wand w/ 1" (25 mm) NHM fitting



UE-125-NF

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-125-NJ-NF
UE-125-NJNF2

- 2.5" (64 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-125-NF-01
UE-125-NF-02*
UE-125-NF-03

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet

* 1" (25 mm) Male Cam Lock on Metering Head

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

60, 95 & 125 EDUCTOR SERIES

In-line Foam Eductors

- **-01 51" Pick Up Hose with 1" NHF Coupling**
- **-02 1' Male Camlock on Metering Head (no hose included)**
- **-03 51" Pick Up Hose with 1" Female Camlock**
- **-04 51" Pick Up Hose with 1" NHF coupling and removable pick up wand. Also, metering knob does not have 1/4 or 1/2% lasering.**

MODEL NUMBER	THREADS		INLET COUPLING	FLOW RATE @ INLET PRESSURE	FOAM MIX RATIO SETTINGS %	PICKUP HOSE		WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE				LENGTH / ID	END SIZE / STYLE		
UE-060-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	60 gpm @ 200 psi (227 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) / Stainless Steel Wand	4.5 lb (2.0 kg)	
UE-060-NF-01	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	60 gpm @ 200 psi (227 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	4.7 lb (2.1 kg)	
UE-060-NJ-NF	2.5" NH (64 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	60 gpm @ 200 psi (227 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	4.7 lb (2.1 kg)	
UE-095-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	4.5 lb (2.0 kg)	
UE-095-NF-01	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	4.7 lb (2.1 kg)	
UE-095-NF-02	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	N/A	N/A	4.5 lb (2.0 kg)	
UE-095-NF-03	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) Female Cam Lock	4.9 lb (2.2 kg)	
UE-095-NF-04	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	5.7 lb (2.6 kg)	
UE-095-NJ-NF	2.5" NH (64 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	5.0 lb (2.3 kg)	
UE-125-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	4.7 lb (2.1 kg)	
UE-125-NF-01	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	4.5 lb (2.0 kg)	
UE-125-NF-02	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	N/A	N/A	4.5 lb (2.0 kg)	
UE-125-NF-03	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) Female Cam Lock	4.9 lb (2.2 kg)	
UE-125-NJ-NF	2.5" NH (64 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	5.0 lb (2.3 kg)	
UE-125-NJNF2	2.5" NH (64 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	56" (1.4 m) 1" (25 mm)	1" (25 mm) Storz	5.2 lb (2.4 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

250 & 350 EDUCTOR SERIES

In-line Foam Eductors

250 & 350 gpm (945 & 1325 l/min) in-line foam eductors have a metering head with easy to read knob for use with Class A foam at .5% and with AR-AFFF foam at 1%, 3% and 6%. Large 8' (2.4 m) industrial grade, UV resistant pickup hose is ideal for use with high viscosity foams. Easy to read Go/NoGo gauge on outlet shows back pressure on eductor.

- **Flush button for fast cleaning**
- **Removeable metering head**
- **Hardcoat anodized for corrosion protection**
- **1" (25mm) male cam lock on metering head**



- Standard inlet pressure is 200 psi (14 bar)
- Maximum allowable back pressure is 130 psi (9 bar)
- Low inlet pressure is 150 psi (10 bar)
- Maximum allowable back pressure is 80 psi (5.5 bar)

UE-250-NJ
UE-250L-NJ



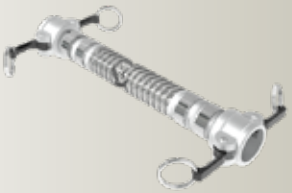
- Standard inlet pressure is 200 psi (14 bar)
- Maximum allowable back pressure is 130 psi (9 bar)
- Low inlet pressure is 150 psi (10 bar)
- Maximum allowable back pressure is 80 psi (5.5 bar)

UE-350-NJ
UE-350L-NJ

MODEL NUMBER	THREADS		INLET COUPLING	FLOW RATE @ INLET PRESSURE	FOAM MIX RATIO SETTINGS %	PICKUP HOSE		WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE				LENGTH/ ID	END SIZE/ STYLE		
UE-250-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	250 gpm @ 200 psi (945 l/min @ 13.8 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	
UE-250L-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	250 gpm @ 150 psi (945 l/min @ 10.3 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	
UE-350-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	350 gpm @ 200 psi (1325 l/min @ 13.8 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	
UE-350L-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	350 gpm @ 150 psi (1325 l/min @ 10.3 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	
UE950	1.0" (25 mm) Cam lock connection on 1.25" x 8' (32 mm x 2.4 m) long clear hose. Flexible for easy storage.							3.5 lb (1.6 kg)	
UE951	1.0" (25 mm) Cam lock connection on both ends on 1.25" x 8' (32 mm x 2.4 m) long clear hose. Flexible for easy storage.							3.5 lb (1.6 kg)	
UE960-KIT	1.5" (38 mm) Cam lock adapter. Attaches to 1" male cam lock on eductor metering head to use 1.5" female cam lock hose.							0.4 lb (0.2 kg)	



UE950



UE951



UE960-KIT

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

1.0" (25 mm) BUBBLE CUP® SERIES

Dual Gallonage Foam Nozzle

The Bubble Cup, 1.0" (25 mm) series, is a unique combination nozzle capable of producing aspirated foam, straight stream and a wide fog pattern. When the outer sleeve is in the retracted position, the nozzle operates as a standard dual gallonage straight stream/combination nozzle. To use the aspirating feature of the nozzle, the nozzle operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration.

- **All lightweight materials**
- **Hardcoat anodized for corrosion protection**



D1024BC
D1040BC

- **Two flow settings at 100 psi (7 bar)**
- **Twist "off" position for positive shut-off**



DS1024BC
DS1040BC

- **Two flow settings at 100 psi (7 bar)**
- **Stainless** steel shut-off ball
- **Quick-change rear valve seat**
- **Twist "off" position for positive shut-off**



DS1024BCP
DS1040BCP

- **Two flow settings at 100 psi (7 bar)**
- **Stainless** steel shut-off ball
- **Quick-change rear valve seat**
- **Twist "off" position for positive shut-off**
- **Pistol grip**

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
D1024BC	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Knurled Rigid Base	No	4.00"- 6.00" (10.2 - 15.2 cm)	0.9 lb (0.4 kg)	
D1040BC	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Knurled Rigid Base	No	4.00"- 6.00" (10.2 - 15.2 cm)	0.9 lb (0.4 kg)	
DS1024BC	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	No	6.37" - 8.37" (16.2 - 21.3 cm)	1.8 lb (0.8 kg)	
DS1040BC	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	No	6.37" - 8.37" (16.2 - 21.3 cm)	1.8 lb (0.8 kg)	
DS1024BCP	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	Yes	6.37" - 8.37" (16.2 - 21.3 cm)	2.0 lb (0.9 kg)	
DS1040BCP	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	Yes	6.37" - 8.37" (16.2 - 21.3 cm)	2.0 lb (0.9 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) BUBBLE CUP® SERIES

Single or Dual Gallonage Foam Nozzle

The Bubble Cup, 1.5" (38 mm) series, is a unique combination nozzle capable of producing aspirated foam, straight stream and a wide fog pattern. When the outer sleeve is in the retracted position, the nozzle operates as a standard dual gallonage straight stream/combination nozzle. To use the aspirating feature of the nozzle, the nozzle operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration.

- **All lightweight materials**
- **Quick change rear valve seat**
- **Hardcoat anodized for corrosion protection**
- **Stainless steel shut-off ball**



F2060BC
F2095BC
F95BC

- **Two flow settings at 100 psi (7 bar)**
- **F95BC has single flow setting**
- **Twist "off" position for positive shut-off**



FS2060BC
FS2095BC
FS95BC

- **Two flow settings at 100 psi (7 bar)**
- **FS95BC has single flow setting**
- **Quick-change rear valve seat**
- **Twist "off" position for positive shut-off**



FS2060BCP
FS2095BCP
FS95BCP

- **Two flow settings at 100 psi (7 bar)**
- **FS95BCP has single flow setting**
- **Quick-change rear valve seat**
- **Twist "off" position for positive shut-off**
- **Pistol grip**

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
F2060BC	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Knurled Rigid Base	No	5.00"- 7.50" (12.7 - 19.1 cm)	1.7 lb (0.8 kg)	
F2095BC	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Knurled Rigid Base	No	5.00"- 7.50" (12.7 - 19.1 cm)	1.7 lb (0.8 kg)	
F95BC	1.5" NH (38 mm)	95 GPM (360 l/min)	Knurled Rigid Base	No	5.00"- 7.50" (12.7 - 19.1 cm)	1.7 lb (0.8 kg)	
FS2060BC	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	
FS2095BC	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	
FS95BC	1.5" NH (38 mm)	95 GPM (360 l/min)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	
FS2060BCP	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	
FS2095BCP	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	
FS95BCP	1.5" NH (38 mm)	95 GPM (360 l/min)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) QUADRACUP® SERIES

Selectablel Gallonage Foam Nozzle

The Quadracup, 1.5" (38 mm) series, is a unique combination nozzle capable of producing aspirated foam, straight stream and a wide fog pattern. Four flow settings of 30, 60, 95, & 125 gpm (110, 230, 360 & 470 l/min) makes it is an outstanding performer for 1.5" (38 mm) hose. When the outer sleeve is in the retracted position, the nozzle operates as a standard selectable gallonage straight stream/combination nozzle. To use the aspirating feature of the nozzle, the nozzle operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration. The front end can be rotated from straight stream through wide fog patterns. Uniquely cut fixed metal fog teeth produce a wide range of fog patterns.



FQ125BC
FQ125BCL

- Lightweight materials hardcoat anodized aluminum
- Flush without shutting down
- Twist "off" position for positive shut-off



FQS125BC
FQS125BCL

- Lightweight materials hardcoat anodized aluminum
- Flush without shutting down
- Quick-change rear valve seat
- Stainless steel shut-off ball



FQS125BCP
FQS125BCPL

- Lightweight materials hardcoat anodized aluminum
- Flush without shutting down
- Quick-change rear valve seat
- Stainless steel shut-off ball
- Pistol grip is mounted below the valve

NFPA 1964 COMPLIANT

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
FQ125BC	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar)	Knurled Rigid Base	No	5.00"- 7.25" (12.7 - 18.4 cm)	1.7 lb (0.8 kg)	
FQ125BCL	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 75 psi (110, 230, 360 and 470 l/min @ 5 bar)	Knurled Rigid Base	No	5.00"- 7.25" (12.7 - 18.4 cm)	1.7 lb (0.8 kg)	
FQS125BC	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	
FQS125BCL	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 75 psi (110, 230, 360 and 470 l/min @ 5 bar)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	
FQS125BCP	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	
FQS125BCPL	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 75 psi (110, 230, 360 and 470 l/min @ 5 bar)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	

Color Bail covers and Pistol Grips are available in NFPA colors. See page 227 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page 51 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5" (38 mm) CAFS NOZZLES

Automatic or Straight Tip Nozzles

The ONLY automatic nozzle designed specifically for Compressed Air Foam (CAFS) and water applications, CAFS-Force is engineered to provide optimal foam stream performance, as well as offering low pressure nozzle operations when using water alone. The extruded aluminum alloy body shall be hardcoat anodized and nozzle shall have an automatic dual-pressure control that may be switched from standard low pressure (water application) to CAFS mode.



- 1.5" NH (38 mm) rigid rocker lug coupling
- Molded rubber bumper with "power fog" teeth or stainless steel spinning teeth
- Flush without shutting down
- Requires a ball valve shut-off
- NFPA 1964 Compliant

HMDC-TO



- 1.5" NH (38 mm) rigid rocker lug coupling
- Molded rubber bumper with "power fog" teeth
- Flush without shutting down
- Requires a ball valve shut-off
- NFPA 1964 Compliant

HDC-TO



- 1.5" NH (38 mm) swivel rocker lug coupling
- Hard**coat** anodized aluminum
- Designed for compressed air foam (CAFS) application
- Tip is also suitable for water

FSS13-CAFS



- 2.5" NH (64 mm) swivel rocker lug coupling
- Hard**coat** anodized aluminum
- Designed for compressed air foam (CAFS) application
- Tip is also suitable for water

JSS13-CAFS

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
HMDC-TO	1.5" NH (38 mm)	70 - 200 gpm @ 75/45 psi (265 - 760 l/min @ 5/3 bar)	Rigid Rocker Lug	No	9.00" (22.9 cm)	6.6 lb (3.0 kg)	
HDC-TO	1.5" NH (38 mm)	95 - 250 gpm @ 100/75 psi (360 - 950 l/min @ 5/3 bar)	Rigid Rocker Lug	No	9.75" (24.8 cm)	8.2 lb (3.7 kg)	
FSS13-CAFS	1.5" NH (38 mm)	1 3/8" (35 mm) smooth tapered tip	Rocker Lug Swivel	No	10.45" (26.5 cm)	1.7 lb (0.8 kg)	
JSS13-CAFS	2.5" NH (64 mm)	1 3/8" (35 mm) smooth tapered tip	Rocker Lug Swivel	No	10.91" (27.7 cm)	2.2 lbs (1.0 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

FOAM NOZZLES

Medium-Expansion Foam Nozzles

These simple, lightweight, durable foam nozzles deliver the same thick, long lasting foam blanket, which has come to be expected of TFT foam products, without the need for a separate nozzle. Compact and easy to maintain, these nozzles deliver consistent foam aspiration, and are engineered to provide optimum foam production, when paired with a 60, 95, or 125 gpm (227, 360, or 473 l/min) TFT eductor. A TFT F140 in-line ball valve can be ordered separately to provide shut-off capability.



FJ-MX-060-NF
FJ-MX-095-NF
FJ-MX-125-NF

- 1.5" NH (38 mm) swivel rocker lug coupling
- Hardcoat anodized aluminum
- Stainless steel mesh
- Black UV stabilized polyethylene construction

MODEL	FLOW RATE	LENGTH	WEIGHT	LIST PRICE
FJ-MX-060-NF	60 gpm (227 l/min)	16.20" (41.1 cm)	3.0 lb (1.4 kg)	
FJ-MX-095-NF	95 gpm (360 l/min)	16.20" (41.1 cm)	3.0 lb (1.4 kg)	
FJ-MX-125-NF	125 gpm (473 l/min)	16.20" (41.1 cm)	3.0 lb (1.4 kg)	

FOAMJET

Low-Expansion Foam Attachment

Make your TFT nozzle a high performance foam nozzle with the FOAMJET air-aspirating attachment. Simple, rugged and dependable, the FOAMJET can be quickly attached to your TFT nozzle. The FOAMJET provides superior foam-making ability with most modern foam concentrates. When used with AFFF and Class A foams, the FOAMJET can develop expansion ratios of 6:1. This thick foam blanket has better extinguishing ability and is longer lasting than foam from non-aspirated nozzles. It can be easily removed in seconds for a water-only or non-aspirated stream. FOAMJET is used in straight stream position only.



FJ-DQ

- **Constructed** of molded rubber, stainless steel, and lightweight nickel plated aluminum.



FJ-U

- **Constructed** of molded rubber, stainless steel, and lightweight nickel plated aluminum.



FJ-HM

- **Constructed** of molded rubber, stainless steel, and lightweight nickel plated aluminum.



FJ-H

- **Constructed** of molded rubber, stainless steel, and lightweight nickel plated aluminum.

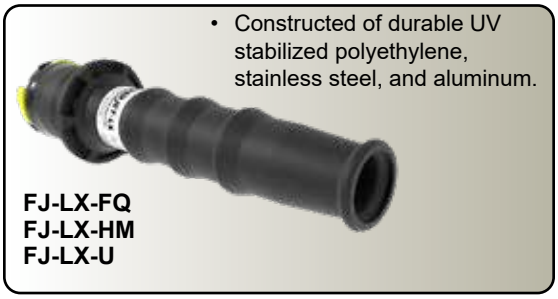
MODEL	FITS NOZZLE	FRONT END	LENGTH	WEIGHT	LIST PRICE
FJ-DQ	QuadraFog 1" (25 mm)	Flexible Rubber	6.50" (16.5 cm)	1.2 lb (0.5 kg)	
FJ-U	Ultimatic & Metro 0	Flexible Rubber	9.75" (24.8 cm)	1.2 lb (0.5 kg)	
FJ-HM	Mid-Matic, Mid-Force, Metro 1 & Working Fire	Flexible Rubber	8.50" (21.6 cm)	2.6 lb (1.2 kg)	
FJ-H	Handline, Dual-Force & Metro 2	Flexible Rubber	8.50" (21.6 cm)	2.6 lb (1.2 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FOAMJET

Low-Expansion Foam Attachment

The FOAMJET-LX is a lightweight, low-expansion foam-making, air-aspirating attachment. Simple, rugged and dependable, the FOAMJET-LX can be quickly attached and provides superior foam-making ability with most modern foam concentrates. When used with AFFF and Class A Foams, the FOAMJET-LX can develop a thick foam blanket which has better extinguishing ability and is longer lasting than foam from non-aspirating nozzles. The FOAMJET-LX can easily be removed in seconds for a water-only or non-aspirated stream. FOAMJET-LX is used in straight stream position only.



- Constructed of durable UV stabilized polyethylene, stainless steel, and aluminum.

FJ-LX-FQ
FJ-LX-HM
FJ-LX-U

MODEL	FITS NOZZLE	LENGTH	WEIGHT	LIST PRICE
FJ-LX-FQ	QuadraFog 1.5" (38 mm)	20.20" (51.3 cm)	3.0 lb (1.4 kg)	
FJ-LX-HM	Mid-Matic, Mid-Force, Metro 1 & Working Fire	20.20" (51.3 cm)	3.0 lb (1.4 kg)	
FJ-LX-U	Ultimatc & Metro 0	21.70" (55.1 cm)	3.0 lb (1.4 kg)	

FOAMJET

Foam Attachment

The FOAMJET-MX & FOAMJET-LX for Master Stream Nozzles are lightweight, low & multi expansion foam-making, air-aspirating attachments. Simple, rugged and dependable, the FOAMJET-MX & FOAMJET-LX can be quickly attached and provide superior foam-making ability with most foam concentrates. When used with AFFF and Class A Foams, the FOAMJET-MX & FOAMJET-LX can develop a thick low and multi-expansion foam blanket which has better extinguishing ability and is longer lasting than foam from non-aspirating nozzles. The FOAMJET-MX & FOAMJET-LX can easily be removed in seconds for a water-only or non-aspirated stream. Rotating the MX-FOAMJET gives you he expansion ratio and stream reach of the unique ability to vary finished foam. FOAMJET-LX is used in straight stream position only.



- Constructed of durable UV stabilized polyethylene and aluminum.

FJ-MX-MD



- Constructed of durable UV stabilized polyethylene, stainless steel, and aluminum.

FJ-LX-M



- Constructed from lightweight hardcoat anodized aluminum, nylon, and stainless steel.

FJ-LX-M2

MODEL	FITS NOZZLE	LENGTH	WEIGHT	LIST PRICE
FJ-MX-MD	Max-Series and ZN Series Industrial Nozzles	16.20" (41.1 cm)	4.6 lb (2.1 kg)	
FJ-LX-M	Master Stream 1000 & 1250S and Master Foam 250-750 gpm	25.30" (64.3 cm)	6.4 lb (2.9 kg)	
FJ-LX-M2	Master Stream 1000 & 1250 with flush	26.03" (66.1 cm)	10.4 lb (4.7 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FOAMJET

Multi-Expansion Foam Attachment

The MX-FOAMJET is a simple to attach, compact, lightweight, and rugged multi-expansion foam-aspirating attachment for your Task Force Tips nozzle. It can be used with many foam concentrates that are recommended for low or medium expansion equipment. The thick foam blanket produced has superior vapor-suppression capabilities and is longer lasting than foam from non-aspirated nozzles. The locking ring attaches easily and securely to the rubber bumper and can also be removed quickly for water-only or non-aspirated streams. Rotating the MX-FOAMJET gives you the unique ability to vary the expansion ratio and stream reach of finished foam.



FJ-MX-D

- Constructed of durable UV stabilized polyethylene and aluminum.



FJ-MX-DQ

- Constructed of durable UV stabilized polyethylene and aluminum

Note: Not intended to produce foam at 5 and 10 gpm (20 and 40 l/min) settings



FJ-MX-F

- Constructed of durable UV stabilized polyethylene and aluminum.



FJ-MX-FQ

- Constructed of durable UV stabilized polyethylene and aluminum.

MODEL	FITS NOZZLE	DIAMETER	LENGTH	WEIGHT	LIST PRICE
FJ-MX-D	Twister 1" (25 mm) Series	5.2" (13.0 cm)	10.60" (26.9 cm)	1.4 lb (0.6 kg)	
FJ-MX-DQ	Quadrafog 1" (25 mm) Series	7.4" (18.8 cm)	12.60" (32.0 cm)	2.2 lb (1.0 kg)	
FJ-MX-F	Twister 1.5" (38 mm) Series	7.4" (18.8 cm)	12.60" (32.0 cm)	2.2 lb (1.0 kg)	
FJ-MX-FQ	Quadrafog 1.5" (38 mm) Series	7.4" (18.8 cm)	15.20" (38.6 cm)	3.3 lb (1.5 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FOAMJET

Multi-Expansion Foam Attachment

The MX-FOAMJET is a simple, lightweight multi-expansion foam-making attachment for your Task Force Tip nozzle. The MX-FOAMJET allows for a wider selection of foam concentrates to be used, and has the unique ability to vary the expansion ratio and the stream reach of the finished foam. As the nozzle shaper is rotated to the wide fog position (counterclockwise), higher expansion ratios will be produced, but with reduced stream reach. Rotating the nozzle shaper forward to straight stream (clockwise), will produce lower expansion ratios, but with increased stream reach. The ability to regulate the reach and expansion ratio is unique to the MX-FOAMJET. It can be easily removed in seconds for a water-only or non-aspirated stream.



FJ-MX-FT

- Constructed of durable UV stabilized polyethylene and aluminum

NOTE: Will not fit fixed teeth models manufactured prior to 5/97 without bumper upgrade. (Free upgrade with purchase of FJ-MX-FT).



FJ-MX-HM

- Constructed of durable UV stabilized polyethylene and aluminum



FJ-UMX

- Constructed of durable UV stabilized polyethylene and aluminum



FJ-HMX

- Constructed of durable UV stabilized polyethylene and lightweight hardcoat anodized aluminum.

MODEL	FITS NOZZLE	DIAMETER	LENGTH	WEIGHT	LIST PRICE
FJ-MX-FT	ThunderFog Series	8.6" (21.8 cm)	17.00" (43.2 cm)	5.2 lb (2.4 kg)	
FJ-MX-HM	Mid-Force, Mid-Matic, Metro 1 & Working Fire Series	7.4" (18.8 cm)	15.40" (39.1 cm)	3.2 lb (1.5 kg)	
FJ-UMX	Ultimatic & Metro 0 Series	7.4" (18.8 cm)	15.25" (38.7 cm)	3.2 lb (1.5 kg)	
FJ-HMX	Handline, Dual-Force & Metro 2 Series	8.6" (21.8 cm)	15.62" (39.7 cm)	3.1 lb (1.4 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER FOAM™

Fixed GPM Self-Educting Foam Nozzles

This fixed gallonage fog nozzle is available with your choice of 250, 350, 500 or 750 gpm @ 100 psi (950, 1300, 2000, 3000 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at .5%, 1%, 3%, or 6% with no small passages to clog. Percentage is easily set with an interchangeable orifice plate. A set of calibrated foam orifice plates is included. Nozzle comes with an industrial grade UV resistant, 10 feet long, 1.5" diameter (3 m x 38 mm) concentrate hose with two cam lock fittings for quick and secure attachment to the nozzle. The simple and basic design requires no grease or other maintenance.



- *Stream shaper and body are hardcoat anodized aluminum*
- *Rubber bumper is UV resistant*
- *Accepts the FJ-LX-M FOAMJET low expansion air-aspirating attachment*
- *Z621 1.5" Cam lock dust cap is included*
- *Z625A Supply hose is included*



Z625A
7.0 lb (3.2 kg)
Supply Hose: 1.5" (38 mm) Cam lock x 2.0" (51 mm) Cam lock. 1.5" x 10 feet (38 mm x 3 m) long black concentrate hose. Industrial grade, UV resistant

Z626
7.0 lb (3.2 kg)
Supply Hose: 1.5" (38 mm) Cam lock x 2.0" (51 mm) Cam lock. 2.0" x 10 feet (51 mm x 3 m) long black concentrate hose industrial grade, UV resistant.

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
ZMF10A	2.5"-7.5 NH (64 mm) Female	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF11A	2.5"-7.5 NH (64 mm) NH Female	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF12A	2.5"-7.5 NH (64 mm) Female	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF13A	2.5"-7.5 NH (64 mm) Female	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF20A	2.5"-11 BSP (64 mm) Female	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF21A	2.5"-11 BSP (64 mm) Female	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF22A	2.5"-11 BSP (64 mm) Female	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF23A	2.5"-11 BSP (64 mm) Female	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF30A	2.5"-11.5 NPSH (64 mm) Female	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF31A	2.5"-11.5 NPSH (64 mm) Female	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF32A	2.5"-11.5 NPSH (64 mm) Female	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF33A	2.5"-11.5 NPSH (64 mm) Female	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF40A	2.5" (64 mm) Special Threads	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF41A	2.5" (64 mm) Special Threads	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF42A	2.5" (64 mm) Special Threads	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	
ZMF43A	2.5" (64 mm) Special Threads	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER FOAM™

Fixed GPM Self-Educting Foam Nozzles

This fixed gallonage foam nozzle is available with your choice of 1000, 1250, 1500 or 2000 gpm @ 100 psi (3800, 4800, 5700 or 7700 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long, 2" diameter (3 m x 51 mm) concentrate hose with two cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance.



ZMF14 - ZMF55

- **Folding handles for manual pattern control**
- **Hardcoat anodized aluminum for maximum resistance to corrosion and wear**
- **Z621 1.5" Cam lock dust cap is included**
- **Concentrate hose has one 1.5" (38 mm) and one 2.0" (51 mm) cam lock fittings**



ZMF16 - ZMF17

- **Folding handles for manual pattern control**
- **Hardcoat anodized aluminum for maximum resistance to corrosion and wear**
- **Z627 2" Cam lock dust cap is included**
- **Concentrate hose has two 2.0" (51 mm) cam lock fittings**

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
ZMF14	2.5"-7.5 NH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF15	2.5"-7.5 NH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF24	2.5"-11 BSP (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF25	2.5"-11 BSP (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF34	2.5"-11.5 NPSH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF35	2.5"-11.5 NPSH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF44	2.5" (64 mm) Special Threads	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF45	2.5" (64 mm) Special Threads	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF54	3.5"- 6 NH (89 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
ZMF55	3.5"- 6 NH (89 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	
1500 or 2000 gpm (5700 or 7700 l/min) Self-Educting Foam Nozzles					
ZMF16	3.5"-6 NH (89 mm) NH Coupling	1500 gpm @ 100 psi (5700 l/min @ 7 bar) K-factor = 150	11.38" (28.9 cm)	24.8 lbs (11.2 kg)	
ZMF17	3.5"-6 NH (89 mm) NH Coupling	2000 gpm @ 100 psi (7700 l/min @ 7 bar) K-factor = 200	11.38" (28.9 cm)	24.8 lbs (11.2 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER FOAM™ ER

Fixed GPM Electric Remote Self-Educting Foam Nozzles

This fixed gallonage Master Foam ER foam nozzle is available with your choice of 1000 or 1250 gpm @ 100 psi (3800 or 4800 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long, 2" diameter (3 m x 51 mm) concentrate hose with 1.5" (38 mm) and 2" (51 mm) cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance. ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position.



ZMF14-* - ZMF35-*

- **Includes override knob for manual pattern control**
- **Hardcoat anodized aluminum for maximum resistance to corrosion and wear**
- **ER - Non terminated wire**
- **ERP - Plug with Smart Stream Technology for use with TFT RC Monitors**

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
ZMF14-ER	2.5"-7.5 NH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF14-ERP	2.5"-7.5 NH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF15-ER	2.5"-7.5 NH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF15-ERP	2.5"-7.5 NH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF24-ER	2.5"-11 BSP (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF24-ERP	2.5"-11 BSP (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF25-ER	2.5"-11 BSP (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF25-ERP	2.5"-11 BSP (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF34-ER	2.5"-11.5 NPSH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF34-ERP	2.5"-11.5 NPSH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF35-ER	2.5"-11.5 NPSH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF35-ERP	2.5"-11.5 NPSH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	

Continued on next page

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MASTER FOAM™ ER

Fixed GPM Electric Remote Self-Educting Foam Nozzles

This fixed gallonage Master Foam ER foam nozzle is available with your choice of 1000 or 1250 gpm @ 100 psi (3800 or 4800 l/min @ 7 bar). Fog angle is user adjustable between 90º wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long, 2" diameter (3 m x 51 mm) concentrate hose with 1.5" (38 mm) and 2" (51 mm) cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance. ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position.



- **Includes override knob for manual pattern control**
- **Hardcoat anodized aluminum for maximum resistance to corrosion and wear**
- **ER - Non terminated wire**
- **ERP - Plug with Smart Stream Technology for use with TFT RC Monitors**

ZMF44-* - ZMF55-*

Continued from previous page

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
ZMF44-ER	2.5" (64 mm) Special Threads	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF44-ERP	2.5" (64 mm) Special Threads	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF45-ER	2.5" (64 mm) Special Threads	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF45-ERP	2.5" (64 mm) Special Threads	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF54-ER	3.5"-6 NH (89mm) Coupling	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF54-ERP	3.5"-6 NH (89mm) Coupling	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF55-ER	3.5"-6 NH (89mm) Coupling	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	
ZMF55-ERP	3.5"-6 NH (89mm) Coupling	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER FOAM™ ER

Fixed GPM Electric Remote Self-Educting Foam Nozzles

This fixed gallonage Master Foam ER foam nozzle is available with your choice of 1500 or 2000 gpm @ 100 psi (5700 or 7700 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long, 2" diameter (3 m x 51 mm) concentrate hose with two 2" (51 mm) cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance. ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position.



- **Includes override knob for manual pattern control**
- **Hardcoat anodized aluminum for maximum resistance to corrosion and wear**
- **ER - Non terminated wire**
- **ERP - Plug with Smart Stream Technology for use with TFT RC Monitors**

ZMF16-* - ZMF17-*

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
ZMF16-ER	3.5"-6 NH (89mm) Coupling	1500 gpm @ 100 psi (5700 l/min @ 7 bar) K-factor = 150	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	
ZMF16-ERP	3.5"-6 NH (89mm) Coupling	1500 gpm @ 100 psi (5700 l/min @ 7 bar) K-factor = 150	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	
ZMF17-ER	3.5"-6 NH (89mm) Coupling	2000 gpm @ 100 psi (7700 l/min @ 7 bar) K-factor = 200	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	
ZMF17-ERP	3.5"-6 NH (89mm) Coupling	2000 gpm @ 100 psi (7700 l/min @ 7 bar) K-factor = 200	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLOW TEST

SHO-FLOW & SHO-FLOW APP

TFT'S NEW SHO-FLOW® APP

THE MOST COMPREHENSIVE WATER FLOW TOOL IN THE FIRE SERVICE.™



TFT's new app (Apple and Android) helps with a variety of important water flow calculations. Use in a "stand-alone" mode with built in formulas or integrate a TFT SHO-FLOW and ensure your results go from estimates to actual, accurate data. Here are highlights of the features:

SHO-FLOW®

The operational app that allows users to view flow rates, totals, and device friction loss on any Bluetooth device when used with a TFT SHO-FLOW® flow meter.

NOZZLE REACTION

Determine nozzle reaction. Calculate either with formulas or use the SHO-FLOW® to truly understand the reaction at different flows and pressures.

FLOW RATES

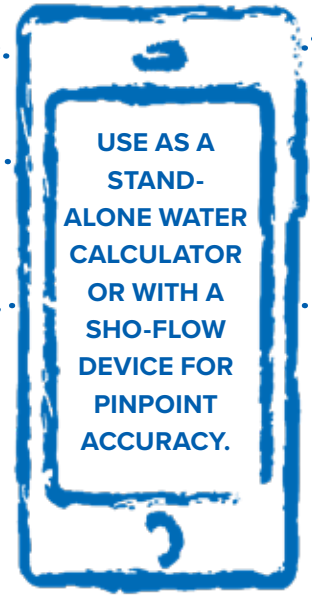
Determine nozzle flow rates using formulas only. For use without a SHO-FLOW®.

HOSE FRICTION LOSS

Understand hose friction loss. Calculate either with formulas or use the SHO-FLOW® to truly understand the hose friction since so many hose manufacturers are reluctant to publish true losses.

NOZZLE FLOW TEST

Get step-by-step assistance in performing an NFPA 1962 Nozzle Flow Test in conjunction with a TFT SHO-FLOW® flow meter.



TARGET FIRE FLOWS

Select either water or foam and have the app recommend GPS and total gallons required based upon structure and fire size.

PDP (PUMP DISCHARGE PRESSURE)

Calculate pump discharge pressures. Calculate either with formulas or use the SHO-FLOW® for extreme accuracy.

H2knOw VIDEOS



Link to TFT's water flow education H2knOw videos

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

FLOW TEST

SHO-FLOW & SHO-FLOW APP

The SHO-FLOW® BLUETOOTH® is a water flow meter that is designed for installation in between any two lengths of hose. Any firefighting, training, or testing operation that utilizes hose lines or nozzles is an application for a SHO-FLOW® BLUETOOTH® flow meter. The SHO-FLOW® BLUETOOTH® has no wires to connect and no batteries are needed.

The SHO-FLOW® BLUETOOTH® App is available to download for free through Apple or Android app stores. The app displays the flow in user-specifiable units and includes calibration, totalizator and diagnostic tools.



- **Built in stream straightener**
- **Will pass debris up to 1" (25 mm) in diameter**
- **Choose units you want displayed from your smart device; gpm or l/min**

EFF-NFNF300



- **Built in stream straightener**
- **Will pass debris up to 1.7" (43 mm) in diameter**
- **Choose units you want displayed from your smart device; gpm or l/min**

EFJ-NJNJ500
EFJ-NJNJ1250

MODEL	THREADS INLET X OUTLET	FLOW RANGE	LENGTH	WEIGHT	LIST PRICE
EFF-NFNF300	1.5" NH (38 mm) Female x 1.5" NH (38 mm) Male	50 - 300 gpm (200 - 1150 l/min)	6.10" (15.5 cm)	2.6 lb (1.2 kg)	
EFJ-NJNJ500	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	100 - 500 gpm (400 - 2000 l/min)	7.40" (18.8 cm)	4.5 lb (2.0 kg)	
EFJ-NJNJ1250	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	500 - 1250 gpm (2000 - 5000 l/min)	7.40" (18.8 cm)	4.5 lb (2.0 kg)	

NPSH or BSP threads are standard options. Call customer service for special threads.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLOW TEST

Liquid-filled 0-200 psi (0-14 bar) or 0-300 psi (0-21 bar) gauge designed for use on standpipes, truck outlets, on the ground, or where having a pressure reading is advantageous. System includes a protective ring and lens cover for the pressure gauge. Swivel inlet coupling and male outlet thread is standard.



- **Gauge has protective ring and lens cover to resist damage**
- **Swivel inlet coupling**

F15G200
F15G300



- **Gauge has protective ring and lens cover to resist damage**
- **Swivel inlet coupling**

J25G200F
J25G300F



- **Gauge has protective ring and lens cover to resist damage**
- **Swivel inlet coupling**
- **+/- 20° pivoting outlet**

J25G200S
J25G300S

MODEL	THREADS INLET AND OUTLET	IN-LINE PITOT TYPE GAUGE	LENGTH	WEIGHT	LIST PRICE
F15G200	1.5" NH (38 mm) Female x 1.5" NH (38 mm) Male	Liquid-filled 0-200 psi (0-14 bar) gauge	4.28" (10.9 cm)	1.8 lb (0.8 kg)	
F15G300	1.5" NH (38 mm) Female x 1.5" NH (38 mm) Male	Liquid-filled 0-300 psi (0-21 bar) gauge	4.28" (10.9 cm)	1.8 lb (0.8 kg)	
J25G200F	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	Liquid-filled 0-200 psi (0-14 bar) gauge	6.40" (16.3 cm)	3.7 lb (1.7 kg)	
J25G300F	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	Liquid-filled 0-300 psi (0-21 bar) gauge	6.40" (16.3 cm)	3.7 lb (1.7 kg)	
J25G200S	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	Liquid-filled 0-200 psi (0-14 bar) gauge	8.00" (20.3 cm)	4.4 lb (2.0 kg)	
J25G300S	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	Liquid-filled 0-300 psi (0-21 bar) gauge	8.00" (20.3 cm)	4.4 lb (2.0 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HAND HELD ACCESSORIES

2.5" (64 mm)

PLAYPIPES
- **All lightweight materials**
- **Hardcoat anodized aluminum**
- **Rubber-coated, easy-grip handles designed to reduce fatigue**



H-2VPP

- Six detent flow positions
- Polymer Ball-type shut-off
- Use with FS-3STACK stack tip set for compliance with NFPA 1901 equipment requirements



H-2PP

- No shut-off valve. Must be used with a nozzle with a shut-off valve

MODEL	Shut-off	THREADS		INLET COUPLING	LENGTH	WEIGHT	LIST PRICE
		INLET FEMALE	OUTLET MALE				
H-2VPP	Yes	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	9.37" (23.8 cm)	6.1 lb (2.8 kg)	
H-2PP	No	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	9.00" (22.9 cm)	5.1 lb (2.3 kg)	



F140SBI

- All lightweight materials
- Changeover from one size to another requires no tools

Smothbore Inserts

FITS
- H-VO
- H-VOI
- H-2VO
- H-2VOI
- H-VIT
- H-VITG
- H-2VIT
- H-2VITG
- H-2VPPIT

MODEL	SMOOTHBORE INSERTS	LENGTH	WEIGHT	LIST PRICE
F140SBI	7/8", 15/16", 1" , 1-1/8" (22 mm, 24 mm, 25 mm and 29 mm)	1.56" (4.0 cm)	0.2 lb (0.1 kg)	



H-GG

"Gasket Grabber"
- Inlet debris screen
- All leightweight materials
- Hardcoat anodized aluminum and stainless steel



H-SS



H-SS-NJ

- Straightens streams to provide greater reach with less turbulence.
- All lightweight materials
- Hardcoat anodized aluminum

MODEL	TYPE	THREADS		INLET COUPLING	LENGTH	WEIGHT	LIST PRICE
		INLET FEMALE	OUTLET MALE				
H-GG	Gasket Grabber	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Fixed	2.20" (5.6 cm)	0.6 lb (0.3 kg)	
H-SS	Stream Straightener	1.5" NH (38 mm)	1.5" NH (38 mm)	Knurled Fixed	1.87" (4.7 cm)	0.4 lb (0.2 kg)	
H-SS-NJ	Stream Straightener	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Fixed	3.05" (7.7 cm)	1.1 lb (0.5 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BLITZFIRE®

Portable Monitor with Safety Shut-off Valve

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. The shut-off action slows near stroke end to reduce the effects of water hammer. To reset the flow, simply open the valve to any of six detent flow positions with the turbulence-free slide valve. The discharge pivots make directing the stream extremely quick and effortless. Outlet has built-in stream shaper. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX111A

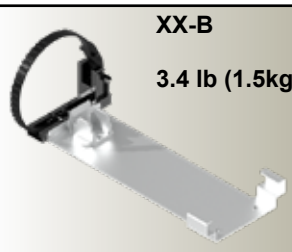
22.0 lb (10.0 kg)
29.5"L x 8.1"W x 8.5"H
(74.9 x 20.6 x 21.6 cm) stowed

- **Flows up to 500 gpm (2000 l/min)**
- **Body is hardcoat anodized aluminum**
- **Blue TFT powder coat finish inside and out**
- **Six detent flow positions with a turbulence free slide valve**
- **Elevation is manually adjustable between 10 and 46 degrees above horizontal**
- **Horizontal rotation is manually adjustable 20 degrees either side of center**
- **Outlet has built-in stream shaper**
- **Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads**

MODEL	BLITZFIRE PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-32	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	
XXC-32NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	
XXC-34	BLITZFIRE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	YES	
XXC-34NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	NO	
XXC-42	BLITZFIRE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	YES	
XXC-42NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	NO	
XXC-44	BLITZFIRE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	YES	
XXC-44NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	NO	
XXC-52	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	YES	
XXC-52NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	NO	

XX-B

3.4 lb (1.5kg)



- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1 cm)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BLITZFIRE® OSC

Oscillating Portable Monitor with Safety Shut-off Valve

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. The shut-off action slows near stroke end to reduce the effects of water hammer. To reset the flow, simply open the valve to any of six detent flow positions with the turbulence-free slide valve. The discharge pivots make directing the stream extremely quick and effortless. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches and stair landings or the like. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX211A

31.0 lb (14.1kg)
34.8"L x 10.5"W x 9.6"H
(88.4 x 26.7 x 24.4 cm) stowed

- **Flows up to 500 gpm (2000 l/min)**
- **Nozzle automatically sweeps 10, 15, or 20 degrees either side of center**
- **Oscillation can be disengaged for manual horizontal movement**
- **Body is hardcoat anodized aluminum**
- **Blue TFT powder coat finish inside and out**
- **Six detent flow positions with a turbulence free slide valve**
- **Elevation is manually adjustable between 10 and 46 degrees above horizontal**
- **Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads**

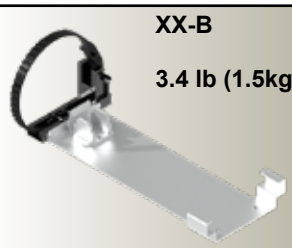
Add Oscillating Feature to an existing Blitzfire.

Contact Service Department at 1-800-348-2686.

MODEL	BLITZFIRE OSC PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-33	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	
XXC-33NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	
XXC-35	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	YES	
XXC-35NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	NO	
XXC-43	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	
XXC-43NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	
XXC-45	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	YES	
XXC-45NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	NO	
XXC-53	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	
XXC-53NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	

XX-B

3.4 lb (1.5kg)



- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1 cm)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BLITZFIRE® HE

High Elevation Portable Monitor with Safety Shut-off Valve

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. The shut-off action slows near stroke end to reduce the effects of water hammer. To reset the flow, simply open the valve to any of six detent flow positions with the turbulence-free slide valve. The discharge pivots make directing the stream extremely quick and effortless. Outlet has built-in stream shaper. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX111A-HE

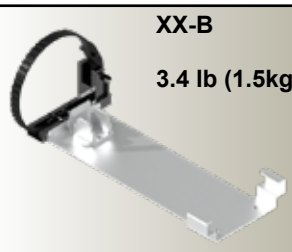
26.8 lb (12.2kg)
32"L x 8.1"W x 8.5"H
(81.3 x 20.6 x 21 6 cm) stowed

- **Flows up to 500 gpm (2000 l/min)**
- **Elevation is manually adjustable between 10 and 86 degrees above horizontal**
- **Body is hardcoat anodized aluminum**
- **Blue TFT powder coat finish inside and out**
- **Six detent flow positions with a turbulence free slide valve**
- **Horizontal rotation is manually adjustable 20 degrees either side of center**
- **Outlet has built-in stream shaper**
- **Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads**

MODEL	BLITZFIRE HE PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-32-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	
XXC-32-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	
XXC-34-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	YES	
XXC-34-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	NO	
XXC-42-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	YES	
XXC-42-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	NO	
XXC-44-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	YES	
XXC-44-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	NO	
XXC-52-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	YES	
XXC-52-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	NO	

XX-B

3.4 lb (1.5kg)



- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1 cm)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BLITZFIRE® HE OSC

High Elevation Oscillating Portable Monitor with Safety Shut-off Valve

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. The shut-off action slows near stroke end to reduce the effects of water hammer. To reset the flow, simply open the valve to any of six detent flow positions with the turbulence-free slide valve. The discharge pivots make directing the stream extremely quick and effortless. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX211A-HE

34.9 lb (15.8kg)
37.3"L x 10.5"W x 9.6"H
(94.7 x 26.7 x 24.4 cm) stowed

- **Flows up to 500 gpm (2000 l/min)**
- **Elevation is manually adjustable between 10 and 86 degrees above horizontal**
- **Nozzle automatically sweeps 10, 15, or 20 degrees either side of center**
- **Oscillation can be disengaged for manual horizontal movement**
- **Body is hardcoat anodized aluminum**
- **Blue TFT powder coat finish inside and out**
- **Six detent flow positions with a turbulence free slide valve**
- **Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads**

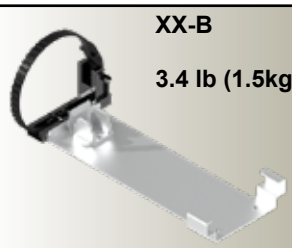
Add Oscillating Feature to an existing Blitzfire.

Contact Service Department at 1-800-348-2686.

MODEL	BLITZFIRE HE OSC PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-33-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	
XXC-33-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	
XXC-35-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	YES	
XXC-35-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/MAX SERIES NOZZLE (Specify Model)	NO	
XXC-43-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	
XXC-43-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	
XXC-45-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	YES	
XXC-45-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) FLIP TIP 2 W/DUAL SMOOTHBORES (Specify Model)	NO	
XXC-53-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	
XXC-52-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	

XX-B

3.4 lb (1.5kg)



- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1 cm)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BLITZFIRE ACCESSORIES

MODEL	INLET FEMALE	ORIFICE	LENGTH	WEIGHT	LIST PRICE
JSST10	2.5" NH (64 mm)	1.125" (29 mm) bore to 1.5" (38 mm) threaded male outlet	5.90" (15.0 cm)	1.8 lb (0.8 kg)	
JSST11	2.5" NH (64 mm)	1.25 (32 mm) bore to 1.5" (38 mm) threaded male outlet	5.90" (15.0 cm)	1.8 lb (0.8 kg)	
JSSTP-NF	1.5" NH (38 mm)	Smoothbore thread protector	0.88" (2.2 cm)	0.1 lb (0.1 kg)	
JSS10	2.5" NH (64 mm)	1.125" (29 mm)	7.91" (20.1 cm)	1.6 lb (0.7 kg)	
JSS11	2.5" NH (64 mm)	1.25" (32 mm)	7.93" (20.1 cm)	1.8 lb (0.8 kg)	
MST-2NJ	2.5" NH (64 mm)	1.25", 1.125", and 1.0" (32 mm, 29 mm, and 25 mm)	9.63" (24.5 cm)	2.1 lb (1.0 kg)	
MST-3NJ	2.5" NH (64 mm)	1.5", 1.25", and 1.0" (38, 32 and 25 mm)	11.80" (30.0 cm)	2.3 lb (1.0 kg)	
MST-5NJ	2.5" NH (64 mm)	1.75", 1.5", and 1.375" (44 mm, 38 mm, and 35 mm)	11.70" (29.7 cm)	3.0 lb (1.4 kg)	
MST-6NJ	2.5" NH (64 mm)	2.0", 1.5", and 0.75" (51 mm, 38 mm, and 19 mm)	13.30" (33.8 cm)	2.3 lb (1.0 kg)	



MAX-SERIES NOZZLES

FoamJet Model for Max-Series FJ-MX-MD

Max-Force



- Switch between standard and low pressure mode
- 120° wide fog
- Flush 3/8" (10 mm) debris without shutting down

MD12A

Max-Matic



- 120° wide fog
- Flush 3/8" (10 mm) debris without shutting down
- Hardcoat anodized aluminum with rubber bumper

MD18A
MD17A

Max-Flow



- 120° wide fog
- Flush 3/8" (10 mm) debris without shutting down
- Operates as low as 30 psi (2 bar)

MD14A

MODEL	TYPE	INLET	COUPLING	FLOW	LENGTH	WEIGHT	LIST PRICE
MD12A	Max-Force Dual Pressure	2.5" NH (64 mm)	Rigid Rocker Lug	100-500 gpm (400-2000 l/min) 100 psi (7 bar) / 55 psi (4 bar)	9.00" (22.9 cm)	6.7 lb (3.0 kg)	
MD18A	Max-Matic Automatic	2.5" NH (64 mm)	Rigid Rocker Lug	100-500 gpm (400-2000 l/min) 100 psi (7 bar)	9.00" (22.9 cm)	6.5 lb (2.9 kg)	
MD17A	Max-Matic Automatic	2.5" NH (64 mm)	Rigid Rocker Lug	100-500 gpm (400-2000 l/min) 80 psi (6 bar)	9.00" (22.9 cm)	6.5 lb (2.9 kg)	
MD14A	Max-Flow Fixed Gallonage	2.5" NH (64 mm)	Rigid Rocker Lug	500 gpm (2000 l/min) 100 psi (7 bar)	9.00" (22.9 cm)	6.5 lb (2.9 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLIP TIP 2™

The Flip Tip 2 can quickly and securely be switched between two nozzles during firefighting operations. The smoothbore model allows selection between a front and a higher flow rear smoothbore nozzle. The Max-Series model allows selection with a front Max-Series (Max-Force, Max-Matic, or Max-Flow) nozzle and a rear smoothbore. Intended to be used on portable or fixed monitors such as the Blitzfire, Hemisphere, or Crossfire. Standard inlet is 2.5" NH (64 mm) rocker lug swivel.



- **Large rear smoothbore**
- **Smaller front smoothbore**
- **2.5" (64mm) Female swivel coupling**
- **Hardcoat anodized aluminum for corrosion protection**

FTJJ21 - FTJJ64

MODEL	INLET FEMALE	REAR NOZZLE	FRONT NOZZLE	LENGTH	WEIGHT	LIST PRICE
FTJJ21	2.5" NH (64 mm)	1.25" (32 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ31	2.5" NH (64 mm)	1.375" (35 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ32	2.5" NH (64 mm)	1.375" (35 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ33	2.5" NH (64 mm)	1.375" (35 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ41	2.5" NH (64 mm)	1.5" (38 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ42	2.5" NH (64 mm)	1.5" (38 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ43	2.5" NH (64 mm)	1.5" (38 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ44	2.5" NH (64 mm)	1.5" (38 mm)	1.5" (38 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ51	2.5" NH (64 mm)	1.75" (44 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ52	2.5" NH (64 mm)	1.75" (44 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ53	2.5" NH (64 mm)	1.75" (44 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ61	2.5" NH (64 mm)	2.0" (51 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ62	2.5" NH (64 mm)	2.0" (51 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ63	2.5" NH (64 mm)	2.0" (51 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	
FTJJ64	2.5" NH (64 mm)	2.0" (51 mm)	1.5" (38 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLIP TIP 2™

The Flip Tip 2 can quickly and securely be switched between two nozzles during firefighting operations. The smoothbore model allows selection between a front and a higher flow rear smoothbore nozzle. The Max-Series model allows selection with a front Max-Series (Max-Force, Max-Matic, or Max-Flow) nozzle and a rear smoothbore. Intended to be used on portable or fixed monitors such as the Blitzfire, Hemisphere, or Crossfire. Standard inlet is 2.5" NH (64 mm) rocker lug swivel.

Max-Force Dual Pressure Automatic



- Switch between standard and low pressure mode
- 100-500 gpm (400-2000 l/min)
- 100/55 psi (7/4 bar)
- Hardcoat anodized aluminum for corrosion protection

FTMJ*A

Max-Flow Fixed Gallonage



- 500 gpm (2000 l/min)
- 100 psi (7 bar)
- Hardcoat anodized aluminum for corrosion protection

FTMJ*B

Max-Matic Single Pressure Automatic



- 100-500 gpm (400-2000 l/min)
- 80 psi (6 bar)
- Hardcoat anodized aluminum for corrosion protection

FTMJ*C

Max-Matic Single Pressure Automatic



- 100-500 gpm (400-2000 l/min)
- 100 psi (7 bar)
- Hardcoat anodized aluminum for corrosion protection

FTMJ*D

MODEL	INLET FEMALE	REAR NOZZLE	FRONT NOZZLE	LENGTH	WEIGHT	LIST PRICE
FTMJ3A	2.5" NH (64 mm)	1.375" (35 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ3D	2.5" NH (64 mm)	1.375" (35 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ4A	2.5" NH (64 mm)	1.375" (35 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ4B	2.5" NH (64 mm)	1.5" (38 mm)	Max-Flow	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ4C	2.5" NH (64 mm)	1.5" (38 mm)	Max-Matic 80 psi (6.5 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ4D	2.5" NH (64 mm)	1.5" (38 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ5A	2.5" NH (64 mm)	1.75" (44 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ5B	2.5" NH (64 mm)	1.75" (44 mm)	Max-Flow	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ5C	2.5" NH (64 mm)	1.75" (44 mm)	Max-Matic 80 psi (6.5 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ5D	2.5" NH (64 mm)	1.75" (44 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ6A	2.5" NH (64 mm)	2.0" (51 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ6B	2.5" NH (64 mm)	2.0" (51 mm)	Max-Flow	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ6C	2.5" NH (64 mm)	2.0" (51 mm)	Max-Matic 80 psi (6.5 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	
FTMJ6D	2.5" NH (64 mm)	2.0" (51 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BLITZFIRE® SERIES

BLITZFIRE Package Order Assistance

XXC-32 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-42 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
STACKED TIPS

XXC-52 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS

XXC-32NB CONTAINS:
BLITZFIRE MONITOR
MAX-SERIES TIP

XXC-42NB CONTAINS:
BLITZFIRE MONITOR
STACKED TIPS

XXC-52NB CONTAINS:
BLITZFIRE MONITOR
MAX-SERIES TIP
STACKED TIPS

XXC-33 CONTAINS:
BLITZFIRE OSC
MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-43 CONTAINS:
BLITZFIRE OSC MONITOR
STORAGE BRACKET
STACKED TIPS
STREAM STRAIGHTENER

XXC-53 CONTAINS:
BLITZFIRE OSC MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS
STREAM STRAIGHTENER

XXC-33NB CONTAINS:
BLITZFIRE OSC
MONITOR
MAX-SERIES TIP

XXC-43NB CONTAINS:
BLITZFIRE OSC MONITOR
STACKED TIPS
STREAM STRAIGHTENER

XXC-53NB CONTAINS:
BLITZFIRE OSC MONITOR
MAX-SERIES TIP
STACKED TIPS
STREAM STRAIGHTENER

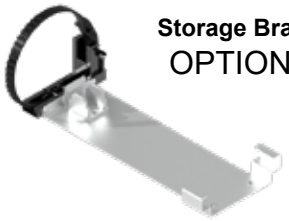
MONITOR Choose **One Option** ☑

☐ Anchor strap included



Specify Inlet & Outlet)

☐ **Storage Bracket**
OPTIONAL



MONITOR OSC Choose **One Option** ☑

☐ Anchor strap included



Specify Inlet & Outlet)

☐ **Storage Bracket**
OPTIONAL



CHOICE OF NOZZLE Choose **One Option** ☑

Included in Packages XXC-32, XXC-32NB, XXC-52, XXC-52NB, XXC-33, XXC-33NB, XXC-53 and XXC-53NB



☐ **MD14A — Max-Flow 2.5”NH (64 mm)**
Fixed Pressure Nozzle
500 gpm (2000 l/min) flow range

☐ **MD12A — Max-Force 2.5”NH (64 mm)**
Dual Pressure Automatic Nozzle
100-500 gpm (400-2000 l/min) flow range

☐ **MD18A — Max-Matic 2.5”NH (64 mm)**
Automatic Pressure Nozzle
100-500 gpm (400-2000 l/min) flow range

STREAM STRAIGHTENER

Included in Packages XXC-43, XXC-43NB, XXC-53 and XXC-53NB

XF-SS5 - STREAM STRAIGHTENER
5” (127 mm) 2.5” NH (64 mm)

☐ 

CHOICE OF TIP Choose **One Option** ☑

Included in Packages XXC-42, XXC-42NB, XXC-52, XXC-52NB, XXC-43, XXC-43NB, XXC-53 and XXC-53NB
See Page 76 for Smoothbore information.



☐ **JSST10** ☐ **JSST11**
☐ **JSS10** ☐ **JSS11**
☐ **MST-2NJ** ☐ **MST-3NJ**
☐ **MST-5NJ** ☐ **MST-6NJ**

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BLITZFIRE® HE SERIES

BLITZFIRE HE Package Order Assistance

XXC-32-HE
BLITZFIRE HE MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-42-HE
BLITZFIRE HE MONITOR
STORAGE BRACKET
STACKED TIPS

XXC-52-HE
BLITZFIRE HE MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS

XXC-32-HENB
BLITZFIRE HE MONITOR
MAX-SERIES TIP

XXC-42-HENB
BLITZFIRE HE MONITOR
STACKED TIPS

XXC-52-HENB
BLITZFIRE HE MONITOR
MAX-SERIES TIP
STACKED TIPS

XXC-33-HE
BLITZFIRE HE OSC MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-43-HE
BLITZFIRE HE OSC MONITOR
STORAGE BRACKET
STACKED TIPS
STREAM STRAIGHTENER

XXC-53-HE
BLITZFIRE HE OSC MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS
STREAM STRAIGHTENER

XXC-33-HENB
BLITZFIRE HE OSC MONITOR
MAX-SERIES TIP

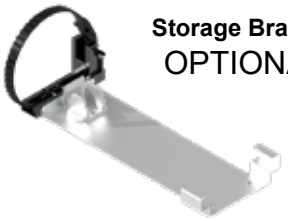
XXC-43-HENB
BLITZFIRE HE OSC MONITOR
STACKED TIPS
STREAM STRAIGHTENER

XXC-53-HENB
BLITZFIRE HE OSC MONITOR
MAX-SERIES TIP
STACKED TIPS
STREAM STRAIGHTENER

MONITOR Choose **One Option** ☑

☐ 
Anchor strap included

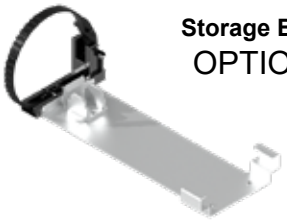
Specify Inlet & Outlet)

☐ 
Storage Bracket
OPTIONAL

MONITOR OSC Choose **One Option** ☑

☐ 
Anchor strap included

Specify Inlet & Outlet)

☐ 
Storage Bracket
OPTIONAL

CHOICE OF NOZZLE Choose **One Option** ☑

Included in Packages XXC-32, XXC-32NB, XXC-52, XXC-52NB, XXC-33, XXC-33NB, XXC-53 and XXC-53NB



☐ **MD14A — Max-Flow 2.5”NH (64 mm)**
Fixed Pressure Nozzle
500 gpm (2000 l/min) flow range

☐ **MD12A — Max-Force 2.5”NH (64 mm)**
Dual Pressure Automatic Nozzle
100-500 gpm (400-2000 l/min) flow range

☐ **MD18A — Max-Matic 2.5”NH (64 mm)**
Automatic Pressure Nozzle
100-500 gpm (400-2000 l/min) flow range

STREAM STRAIGHTENER

Included in Packages XXC-43, XXC-43NB, XXC-53 and XXC-53NB

XF-SS5 - STREAM STRAIGHTENER
5” (127 mm) 2.5” NH (64 mm)

☐ 

CHOICE OF TIP Choose **One Option** ☑

Included in Packages XXC-42-HE, XXC-42-HENB, XXC-52-HE, XXC-52-HENB, XXC-43-HE, XXC-43-HENB, XXC-53-HE and XXC-53-HENB. See page 76 for smoothbore information.



☐ **JSST10** ☐ **JSS10** ☐ **MST-2NJ** ☐ **MST-5NJ**

☐ **JSST11** ☐ **JSS11** ☐ **MST-3NJ** ☐ **MST-6NJ**

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BLITZFIRE® SERIES

BLITZFIRE Package Order Assistance

XXC-34 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
FLIP TIP 2 W/MAX SERIES NOZZLE

XXC-44 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
FLIP TIP 2 W/DUAL SMOOTHBORES

XXC-34NB CONTAINS:
BLITZFIRE MONITOR
FLIP TIP 2 W/MAX SERIES NOZZLE

XXC-44NB CONTAINS:
BLITZFIRE MONITOR
FLIP TIP 2 W/DUAL SMOOTHBORES

XXC-35 CONTAINS:
BLITZFIRE OSC MONITOR
STORAGE BRACKET
FLIP TIP 2 W/MAX SERIES NOZZLE

XXC-45 CONTAINS:
BLITZFIRE OSC MONITOR
STORAGE BRACKET
FLIP TIP 2 W/DUAL SMOOTHBORES

XXC-35NB CONTAINS:
BLITZFIRE OSC MONITOR
FLIP TIP 2 W/MAX SERIES NOZZLE

XXC-45NB CONTAINS:
BLITZFIRE OSC MONITOR
FLIP TIP 2 W/DUAL SMOOTHBORES

MONITOR Choose **One Option** ☑

☐ 
Anchor strap included

Specify Inlet & Outlet)

☐ 
Storage Bracket
OPTIONAL

MONITOR OSC Choose **One Option** ☑

☐ 
Anchor strap included

Specify Inlet & Outlet)

☐ 
Storage Bracket
OPTIONAL

CHOICE OF NOZZLE Choose **One Option** ☑

Included in Packages XXC-34, XXC-34NB, XXC-35, and XXC-35NB



☐ **FTMJ3A**	☐ **FTMJ4B**	☐ **FTMJ5A**	☐ **FTMJ5D**	☐ **FTMJ6C**
☐ **FTMJ3D**	☐ **FTMJ4C**	☐ **FTMJ5B**	☐ **FTMJ6A**	☐ **FTMJ6D**
☐ **FTMJ4A**	☐ **FTMJ4D**	☐ **FTMJ5C**	☐ **FTMJ6B**	☐

See page 78 for specific information on these nozzles.

CHOICE OF TIP Choose **One Option** ☑

Included in Packages XXC-44, XXC-44NB, XXC-45, and XXC-45NB



☐ **FTJJ21**	☐ **FTJJ33**	☐ **FTJJ43**	☐ **FTJJ52**	☐ **FTJJ62**
☐ **FTJJ31**	☐ **FTJJ41**	☐ **FTJJ44**	☐ **FTJJ53**	☐ **FTJJ63**
☐ **FTJJ32**	☐ **FTJJ42**	☐ **FTJJ51**	☐ **FTJJ61**	☐ **FTJJ64**

See page 77 for specific information on these nozzles.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BLITZFIRE® HE SERIES

BLITZFIRE HE Package Order Assistance

XXC-34-HE
BLITZFIRE HE MONITOR
STORAGE BRACKET
FLIP TIP 2 W/MAX
SERIES NOZZLE

XXC-44-HE
BLITZFIRE HE MONITOR
STORAGE BRACKET
FLIP TIP 2 W/DUAL
SMOOTHBORES

XXC-35-HE
BLITZFIRE HE OSC MONITOR
STORAGE BRACKET
FLIP TIP 2 W/MAX
SERIES NOZZLE

XXC-45-HE
BLITZFIRE HE OSC MONITOR
STORAGE BRACKET
FLIP TIP 2 W/DUAL SMOOTHBORES
STREAM STRAIGHTENER

XXC-34-HENB
BLITZFIRE HE MONITOR
FLIP TIP 2 W/MAX
SERIES NOZZLE

XXC-44-HENB
BLITZFIRE HE MONITOR
FLIP TIP 2 W/DUAL
SMOOTHBORES

XXC-35-HENB
BLITZFIRE HE OSC MONITOR
FLIP TIP 2 W/MAX
SERIES NOZZLE

XXC-45-HENB
BLITZFIRE HE OSC MONITOR
FLIP TIP 2 W/DUAL SMOOTHBORES
STREAM STRAIGHTENER

MONITOR Choose **One Option** ☑

☐ 
Anchor strap included

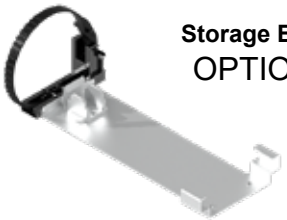
Specify Inlet & Outlet)

☐ 
Storage Bracket
OPTIONAL

MONITOR OSC Choose **One Option** ☑

☐ 
Anchor strap included

Specify Inlet & Outlet)

☐ 
Storage Bracket
OPTIONAL

CHOICE OF NOZZLE Choose **One Option** ☑

Included in Packages XXC-34-HE, XXC-34NB-HE, XXC-35-HE, and XXC-35NB-HE



☐ **FTMJ3A**	☐ **FTMJ4B**	☐ **FTMJ5A**	☐ **FTMJ5D**	☐ **FTMJ6C**
☐ **FTMJ3D**	☐ **FTMJ4C**	☐ **FTMJ5B**	☐ **FTMJ6A**	☐ **FTMJ6D**
☐ **FTMJ4A**	☐ **FTMJ4D**	☐ **FTMJ5C**	☐ **FTMJ6B**	

See page 78 for specific information on these nozzles.

CHOICE OF TIP Choose **One Option** ☑

Included in Packages XXC-44-HE, XXC-44NB-HE, XXC-45-HE, and XXC-45NB-HE



☐ **FTJJ21**	☐ **FTJJ33**	☐ **FTJJ43**	☐ **FTJJ52**	☐ **FTJJ62**
☐ **FTJJ31**	☐ **FTJJ41**	☐ **FTJJ44**	☐ **FTJJ53**	☐ **FTJJ63**
☐ **FTJJ32**	☐ **FTJJ42**	☐ **FTJJ51**	☐ **FTJJ61**	☐ **FTJJ64**

See page 77 for specific information on these nozzles.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HEMISPHERE™

Transportable Monitor



The Hemisphere is a versatile, lightweight, and quick to deploy portable monitor that gives the user the ability to quickly establish water flow in locations that ground monitors cannot.

Since the Hemisphere doesn't rely on gravity for stability, it can be pointed horizontally and down, in addition to up.

The rotating, swiveling waterway, allows the stream to be pointed in virtually any direction, within a hemispherical range without interrupting water flow.



STAIR RAILING



TANK LIP



FRAMING MEMBER



RAIL LINE



TRAILER HITCH



PROTECTIVE FOG WHERE YOU NEED IT



PALLET SHELVING

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HEMISPHERE™

Transportable Monitor

The HEMISPHERE is a versatile, lightweight, and quick to deploy portable monitor that gives the user the ability to quickly establish water flow in locations that ground monitors cannot. Since the Hemisphere doesn't rely on gravity for stability, it can be pointed horizontal and down, in addition to up, unlike portable ground monitors. The rotating, swiveling waterway allows the stream to be pointed in virtually any direction within a hemispherical range without interrupting water flow. A variety of mounts, including an I-beam clamp that doubles as a 2" (51 mm) hitch mount, a dedicated hitch mount, and fixed mounts provide the user the ability to quickly attach the monitor and establish coverage on the fire ground or in preplanned locations. An integrated quarter-turn aluminum half ball valve with locking handle provides shut-off capability. The monitor and valve bodies are hardcoat anodized aluminum inside and out with a blue TFT powder coat finish.



- **Flow range up to 500 gpm (2000 l/min)**
- **Swiveling 45 degree valved inlet and a rotating swiveling outlet**
- **Outlet is manually adjustable via a double ball swivel, angled 40 degrees from the main waterway, capable of sweeping 80 degrees, and can be rotated about the main waterway a full 360 degrees by a hand crank**
- **Outlet has a built-in stream straightener**
- **Water pressurized pins prevent the monitor from releasing while flowing**

HPM111A	HPMG111A
22.5 lb (10.2 kg)	22.5 lb (10.2 kg)
12.0" (30.5 cm) Height	12.0" (30.5 cm) Height
12.2" (31.0 cm) Width	12.2" (31.0 cm) Width
22.5" (57.2 cm) Depth	22.5" (57.2 cm) Depth



- **Optional 0-200 psi (0-14 bar) pressure gauge available**
- **Protective ring and lens cover**
- **Reads incoming pressure when the valve is closed**

Combination Packages Transportable Monitor

PACKAGE	INCLUDES	LIST PRICE
HPM-32	**HPM111A** HEMISPHERE MONITOR **HPM-A** I BEAM CLAMP/2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPMG-32	**HPMG111A** HEMISPHERE MONITOR W/GAUGE **HPM-A** I BEAM CLAMP/2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPM-42	**HPM111A** HEMISPHERE MONITOR **HPM-F** TANK LIP CLAMP/2" (51mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPMG-42	**HPMG111A** HEMISPHERE MONITOR W/GAUGE **HPM-F** TANK LIP CLAMP/2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPM-52	**HPM111A** HEMISPHERE MONITOR **HPM-G** PARALLEL BAR CLAMP/2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPMG-52	**HPMG111A** HEMISPHERE MONITOR W/GAUGE **HPM-G** PARALLEL BAR CLAMP/2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPM-62	**HPM111A** HEMISPHERE MONITOR **HPM-H** FLEX CLAMP/ 2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	
HPMG-62	**HPMG111A** HEMISPHERE MONITOR W/GAUGE **HPM-H** FLEX CLAMP/ 2" (51 mm) HITCH MOUNT **MD12A** MAX-SERIES TIP	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

HEMISPHERE™

Transportable Monitor Backbone

This hardcoat anodized aluminum and stainless steel clamp can be quickly attached to objects such as: an I-beam, stair rails, tank lip, industrial scaffolding, round and various other odd shapped objects by one person without the use of tools. The mount and clamp jaws can be moved to any of the 42 positions on the backbone for maximum versatility. Detented pins hold the mount and jaws in place and a travel stop keeps the pins attached to prevent them from being dropped or lost. Once the clamp is secured, the Hemisphere monitor is attached to the clamp by sliding the socket at the base of the monitor over the mount. The jaws can be removed and the backbone can be inserted into any standard 2" (51 mm) hitch giving the ability to quickly add a monitor to most vehicles without costly modifications.

I-Beam Clamp/2" Hitch Mount



- **Clamps to I-beams and other similar objects**
- **Quickly and easily adjustable**

HPM-A

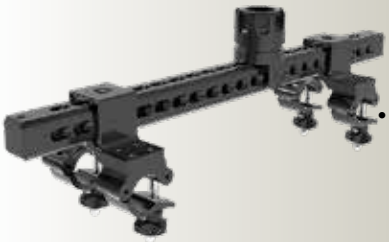
Tank Lip Clamp/2" Hitch Mount



- **Clamps to storage tank lips and other similar objects**
- **Quickly and easily adjustable**

HPM-F

Parallel Bar Clamp/2" Hitch Mount



- **Clamps to industrial scaffolding and other similar objects**
- **Quickly and easily adjustable**

HPM-G

Flex Clamp/2" Hitch Mount



- **Clamps to round and various shaped objects**
- **Quickly and easily adjustable**
- **Bags neatly store chain when not in use and stay attached during use**

HPM-H

MODEL	BACKBONE SET	HEIGHT	WIDTH	DEPTH	WEIGHT	LIST PRICE
HPM-A	I BEAM CLAMP 2" (51 mm) HITCH MOUNT	5.7" (14.5 cm)	6.4" (16.3 cm)	33.1" (84.1 cm)	19.2 lb (8.7 kg)	
HPM-F	TANK LIP CLAMP 2" (51 mm) HITCH MOUNT	5.7" (14.5 cm)	6.4" (16.3 cm)	33.1" (84.1 cm)	22.0 lb (10.0 kg)	
HPM-G	PARALLEL BAR CLAMP 2" (51 mm) HITCH MOUNT	5.7" (14.5 cm)	6.4" (16.3 cm)	33.1" (84.1 cm)	20.6 lb (9.3 kg)	
HPM-H	FLEX CLAMP 2" (51 mm) HITCH MOUNT	7.7" (19.6 cm)	9.2" (23.4 cm)	33.1" (84.1 cm)	25.5 lb (11.6 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HEMISPHERE™

Transportable Monitor Acessories

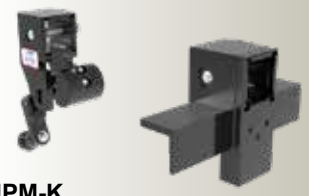
Hardcoat anodized aluminum and stainless steel clamp jaws attach to the 2" (51mm) backbone/hitch mount to provide a clamp that can be quickly attached to objects such as: an I-beam, stair rails, tank lip, industrial scaffolding, round and various other odd shaped objects by one person without the use of tools. Add additional clamp sets to your existing Backbone to make it more versatile.

I-Beam Clamp



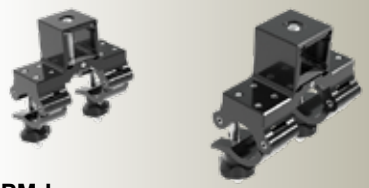
HPM-J

Tank Lip Clamp



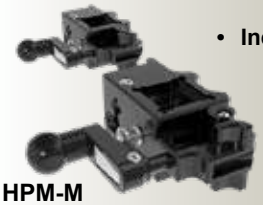
HPM-K

Parallel Bar Clamp



HPM-L

Flex Clamp Chain Blocks



- Includes chains

HPM-M

Backbone Hitch Mount



- Standard Backbone replacement
- Can be used in vehicle hitch receiver
- Requires HPM-E Cross-Pin Mount

HPM-N

Fixed Mount



- Install in pre-planned coverage areas

HPM-B

Hitch Mount



- Bolts to back side of ball hitch mount (not included)

HPM-C

Mounting Block



- Install in pre-planned coverage areas
- Requires HPM-E Cross-Pin Mount

HPM-D

Cross-Pin Mount



- Standard Hemisphere mount
- Used with HPM-N Backbone or HPM-D Mounting Block

HPM-E

MODEL	TYPE OF JAWS	WEIGHT	LIST PRICE
HPM-J	I BEAM CLAMP	7.7 lb (3.5 kg)	
HPM-K	TANK LIP CLAMP	10.5 lb (4.8 kg)	
HPM-L	PARALLEL BAR CLAMP	9.1 lb (4.1 kg)	
HPM-M	FLEX CLAMP CHAIN BLOCKS	14.0 lb (6.4 cm)	
HPM-N	BACKBONE HITCH MOUNT	9.4 lb (4.3 kg)	
HPM-B	FIXED MOUNT	1.9 lb (0.9 kg)	
HPM-C	HITCH MOUNT	1.9 lb (0.9 kg)	
HPM-D	MOUNTING BLOCK	0.8 lb (0.4 cm)	
HPM-E	CROSS PIN MOUNT	2.1 lb (1.0 kg)	

Hitch Receiver Mount



National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

Apparatus Products Table of Contents

The GREEN category includes apparatus products that typically are related to flow and water movement and are delivered with new apparatus or commonly added as replacement components.

This category includes intake valves, manifolds, wyes, siamese, and strainers, and the Crossfire monitor.



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National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

CROSSFIRE® SERIES

Portable/Deck Gun Monitor

The CROSSFIRE monitor is the most versatile master stream appliance ever offered to the fire service. Its lightweight, compact design and unique quick-release swivel joint allow for a faster and safer stream deployment in the portable attack mode. The Safe-Tak 1250 utilizes the revolutionary, patented Safe-Tak "flow safety valve." Should the monitor lose contact with the ground surface, the Safe-Tak will automatically reduce flow to the monitor. This safety feature reduces the risk of injury from an out-of-control appliance. Monitor top and base are hardcoat anodized aluminum with a powder coat finish inside and out for superior corrosion protection. Truck mount adapter not included, order separately.



XFT-NJ

17.0 lb (7.5kg)
22.00"L x 14.00"W x 14.00"H
(55.9 x 35.6 x 35.6 cm)

- **Flow range up to 1250 gpm (4750 l/min)**
- **2.5" NH (64 mm) outlet**
- **Can be connected to either a portable base or a truck with adapters or a TFT Extend-A-Gun with XL outlet.**
- **Large 3.25" (83 mm) waterway**
- **The connection is easy, positive, and visually verified**
- **360° horizontal rotation**
- **Highly visible pressure gauge and a built-in automatic drain**

SAFE-TAK 1250™

Portable Base With Safety Valve

Portable bases are supplied with either two clappered swivel inlets or with a single full-time swivel inlet. The stainless steel, carbide-tipped base support legs can be folded to easily fit inside a small apparatus compartment, or for carrying pre connected to a hose line. Includes a safety tie-down strap with attached storage cap.



- **Includes SAFE-TAK™ VALVE for flows up to 1250 gpm (4700 l/min)**

SAFE-TAK 1250
XFH (see chart)**



- **STOW-A-WAY 800 portable base is not equipped with SAFE-TAK™ "Flow Safety Valve."**

STOW-A-WAY 800
XFL (see chart)**



- **STOW-A-WAY 1250 portable base is not equipped with SAFE-TAK™ "Flow Safety Valve."**

STOW-A-WAY 1250
VALVED BASE UNIT
XFAN- (see chart)**

The STOW-A-WAY 800 PORTABLE BASE does not have the flow safety valve. Maximum recommended flow with a Stow-A-Way 800 base in portable mode is 800 gpm (3000 l/min).

The STOW-A-WAY 1250 PORTABLE BASE WITH VALVE is supplied with single full-time swivel inlet. High volume/low loss valve meets NFPA slow close requirements. Maximum recommended flow with Stow-A-Way 1250 Valved Base in portable mode is 1250 gpm (4700 l/min).

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

CROSSFIRE® SERIES

PORTABLE BASE INLET CHART - Please specify inlet thread.										
Safe-Tak 1250 Model #	Stow-A-Way 800 Model #	Stow-A-Way Valved Base Unit	# Inlets	Inlet Size	Safe-Tak 1250		Stow-A-Way 800		Valved Base Unit	
					lbs	kg	lbs	kg	lbs	kg
XFH-1NL	XFL-1NL	XFAN-1NL	1	3.0" NH (76 mm)	25.4	11.5	22.3	10.1	31.4	14.2
XFH-1NN	XFL-1NN	XFAN-1NN	1	3.5" NH (89 mm)	25.6	11.6	22.5	10.2	30.8	14.0
XFH-1NP	XFL-1NP	XFAN-1NP	1	4.0" NH (102 mm)	26.2	11.9	23.1	10.5	31.9	14.5
XFH-1NR	XFL-1NR	XFAN-1NR	1	4.5" NH (114 mm)	26.3	12.0	23.2	10.5	33.1	15.0
XFH-1SP	XFL-1SP	XFAN-1SP	1	4" Storz (102 mm)	27.0	12.2	23.0	10.4	31.1	14.1
XFH-1ST	XFL-1ST	XFAN-1ST	1	5" Storz (127 mm)	28.7	13.0	25.6	11.6	32.8	14.9
XFH-1SX	XFL-1SX	—	1	6" Storz (152 mm)	30.4	13.8	28.2	12.8	—	—
XFH-2NJ	XFL-2NJ	—	2	2.5" NH (64 mm)	23.8	10.8	20.7	9.4	—	—

CROSSFIRE® SERIES

Combination Packages with Safe-Tak 1250

MODEL	CROSSFIRE 1250 PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XFC-12	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet)	YES	
XFC-12NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet)	NO	
XFC-42	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	YES	
XFC-42NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	NO	
XFC-32	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet)	YES	
XFC-32NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet)	NO	
XFC-52	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	YES	
XFC-52NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	NO	

See page 92 for Crossfire Package Order Assistance.
Please call customer service for assistance in ordering packages.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

CROSSFIRE® SERIES

Accessories



- **Made from hardcoat anodized aluminum alloy for lightweight and corrosion resistance.**
- **Not for use on Extend-A-Gun telescoping waterway.**
- **Not for use on portable ground base.**

XG18XL-XL

22.0 lb (10.0kg)

EXTEND-A-GUN PIPE –A simple and cost effective way to easily add 16” to your Crossfire Deck gun outlet connection. Simply remove the Crossfire monitor from the existing truck mount adapter, add the Extend-A-Gun Pipe and connect the Crossfire top. Increases the field of fire by raising the Crossfire monitor to clear obstructions on the top of the apparatus. Utilizes the same quick connect features of the Crossfire monitor. Visually verifiable rotation lock and locking mechanism.



XFF-MPL
XFF-MPP

For use on riser with companion flange. Compact, hardcoat anodized aluminum adapter allows the CROSSFIRE monitor to be easily utilized as a truck mounted deluge appliance. Hardware and gasket included.

MODEL	FLANGE	BOLTS	THREADS	HEIGHT	DIAMETER	WEIGHT
XFF-MPL	3" ANSI 150# (76 mm)	(4) 5/8"-11X3	NONE	5" (12.7 cm)	7.50" (19.1 cm)	6.9 lb (3.1 kg)
XFF-MPP	4" ANSI 150# (102 mm)	(8) 5/8"-11X3	4" NPT F	8" (20.3 cm)	9.00" (22.9 cm)	11.0 lb (5.0 kg)

- **Gasket included**



XFF-CPL
XFF-CPP

MODEL	THREADS	FLANGE	BOLTS REQ.	DIAMETER	WEIGHT
XFF-CPL	3" NPT F (76 mm)	3" ANSI 150# (76 mm)	4 bolts 5/8” (M16) (not included	7.50" (19.1cm)	3.0 lb (1.4 kg)
XFF-CPP	4" NPT F (102 mm)	4" ANSI 150# (102 mm)	8 bolts 5/8” (M16) (not included	9.00" (22.9 cm)	4.4 lb (2.0 kg)



XFF-APL

3.1 lb (1.4kg)

XFF-APL - TRUCK ADAPTER, 3.0” NPT FEMALE Can be screwed directly on a 3.0” NPT (75mm) male thread. This compact, hardcoat anodized adapter allows the Crossfire monitor to be easily utilized as a truck mounted deluge appliance. 4.5” dia. (110mm) Height: 5.0”. (125mm)



XFF-RLF

4.2 lb (1.9kg)

XFF-RLF - EXTEND-A-GUN RC3/CROSSFIRE ADAPTER - This compact, hardcoat anodized adapter attaches to the electronically raised Extend-A-Gun RC3, allowing the Crossfire monitor to be easily utilized as a truck mounted deluge appliance. 6.7” dia. (170mm) Height: 5.0” (125mm)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

Accessories

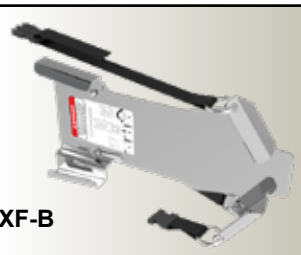


MST-4NJ **MST-4NN**

3.1 lb (1.4kg) **5.6 lb (2.5 kg)**

MST-4NJ - 4 STACKED TIPS, 2.5” NH (64 mm) Designed for monitor use, these lightweight tips are hardcoat anodized, allow four orifice options in one, and have pressure/flow charts laser engraved on each tip. 2.5” NH (64 mm) swivel coupling is standard. Orifice openings are 2”, 1.75”, 1.5”, and 1.375”. (51 mm, 44 mm, 38 mm and 35 mm) Length 16.90”. (42.9 cm)

MST-4NN - 4 STACKED TIPS, 3.5” NH (89 mm) Designed for monitor use, these lightweight tips are hardcoat anodized, allow four orifice options in one, and have pressure/flow charts laser engraved on each tip. 3.5” NH (89 mm) swivel coupling is standard. Orifice openings are 2”, 1.75”, 1.5”, and 1.375”. (51 mm, 44 mm, 38 mm and 35 mm) Length 18.9” (48.0 cm)



XF-B

3.1 lb (1.4kg)

XF-B - CROSSFIRE STORAGE BRACKET A 13 ga., 304 stainless steel bracket with strap holds the Stow-A-Way 800, Stow-A-Way 1250 or the Safe-Tak 1250 portable base securely while being transported. This 14.75” x 7.75” x 2” (37.5 x 19.7 x 5.1cm)bracket can be mounted vertically or horizontally in any position, including the top or underside of a shelf, on a side wall, or on a compartment door. Includes quick release storage strap.



XF-SS5 **XF-SS5-NN**

1.8 lb (0.8 kg) **4.6 lb (2.1 kg)**

XF-SS5 - STREAM STRAIGHTENER 5” L. (127 mm) 2.5” NH (64 mm) THREADS Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 2.5” NH (65 mm) rigid female inlet and male outlet threads are standard.

XF-SS5-NN- STREAM STRAIGHTENER 5” L. (127 mm) 3.5” NH (89 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 3.5” NH (89 mm) rigid female inlet and 2.5” NH (64 mm) male outlet threads are standard.

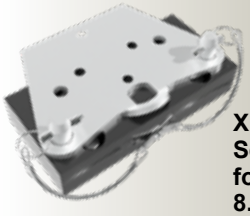


XF-SS10 **XF-SS10-NN**

3.5 lb (1.9 kg) **6.3 lb (2.9 kg)**

XF-SS10 - STREAM STRAIGHTENER 10” L. (254 mm) 2.5” NH (64 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 2.5” NH (64 mm) rigid female inlet and male outlet threads are standard.

XF-SS10-NN - STREAM STRAIGHTENER 10” L. (254 mm) 3.5” NH (89 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 3.5” NH (89 mm) rigid female inlet x 2.5” NH (64 mm) male outlet threads are standard.



XF400-KIT
See page 227
for pricing
8.3 lb (3.8 kg)

XF400-KIT - TRUCK MOUNTING BLOCK KIT for direct mounting of the portable base on a truck deck. Allows for use as a deck gun and base can be easily removed for portable use when needed. Includes truck mount block with anchor pins and bottom plate for Stow-A-Way 800, Stow-A-Way 1250 or Safe-Tak 1250 portable base.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

CROSSFIRE® SERIES

Crossfire Package Order Assistance

XFC-32 PACKAGE CONTAINS:
SAFE-TAK Base **(Specify Inlet)**
CROSSFIRE Storage Bracket
CROSSFIRE Monitor Top **(Specify Outlet)**
Any Master Stream 1000 or 1250S Nozzle shown on page 129 **(Specify Inlet)**

XFC-42 PACKAGE CONTAINS:
SAFE-TAK Base **(Specify Inlet)**
CROSSFIRE Storage Bracket
CROSSFIRE Monitor Top **(Specify Outlet)**
Quad Stack Tips **(Specify Inlet)**
5" or 10" (127 or 254 mm) Stream Straightener **(Specify Inlet & Outlet)**

XFC-52 PACKAGE CONTAINS:
SAFE-TAK Base **(Specify Inlet)**
CROSSFIRE Storage Bracket
CROSSFIRE Monitor Top **(Specify Outlet)**
Any Master Stream 1000 or 1250S Nozzle shown on page 129 **(Specify Inlet)**
Quad Stack Tips **(Specify Inlet)**
5" or 10" (127 or 254 mm) Stream Straightener **(Specify Inlet & Outlet)**

XFC-32NB PACKAGE:
Same as above except package does not include storage bracket

XFC-42NB PACKAGE:
Same as above except package does not include storage bracket

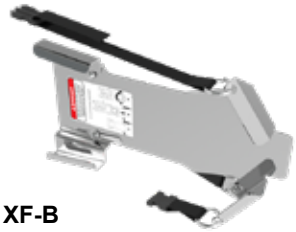
XFC-52NB PACKAGE:
Same as above except package does not include storage bracket

CROSSFIRE TOP & BRACKET INCLUDED

Included with All Six Packages



XFT-NJ — 2.5"NH Outlet
Monitor Top 1250 gpm (4500 l/min)



XF-B
Crossfire Storage Bracket
Not included in NB Packages

CHOICE OF STREAM STRAIGHTENER

Included with XFC-42 and XFC-52 Package Choose One Option ☑



☐ **XF-SS5**
5" 2.5" NH



☐ **XF-SS10**
10" 2.5" NH

CHOICE OF NOZZLE

Included with XFC-42 and XFC-32 Package Choose One Option ☑



☐ **M-R1000-NJ — 2.5"NH**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-4000 l/min)

☐ **M-RS1000-NJ — 2.5"NH**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
Flow is User Adjusted
gpm is based on 100 psi

☐ **M-RF1000-NJ — 2.5"NH**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure

☐ **M-R1250SNJ — 2.5"NH**
Automatic Pressure Nozzle
150-1250 gpm flow range
(600-4500 l/min)

QUAD TIPS

Included with XFC-42 and XFC-52 Package



MST-4NJ — 2.5"NH
4 Stacked Tips Laser Engraved Flow Charts

For truck mounting see adapters on page 90, or Extend-A-Guns with XL outlet on page 152, available separately, not included in packages.

SAFE-TAK 1250 BASE w/CHOICE OF INLETS

Included with all six packages Choose One Option ☑

XFH-*
SAFE-TAK 1250
Portable Base



☐ **XFH-1NP**
Single 4"NH
(102 mm)

☐ **XFH-1NR**
Single 4.5"NH
(114 mm)

☐ **XFH-1SP**
Single 4"Storz
(102 mm)

☐ **XFH-1ST**
Single 5"Storz
(127 mm)

☐ **XFH-1SX**
Single 6"Storz
(152 mm)

☐ **XFH-1NL**
Single 3"NH
(76 mm)

☐ **XFH-1NN**
Single 3.5"NH
(89 mm)

☐ **XFH-2NJ**
Dual 2.5"NH
(64 mm)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

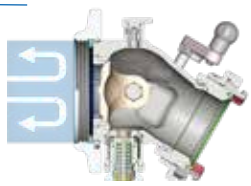
MANUAL AND REMOTE CONTROL BALL INTAKE VALVE (BIV) MAXIMUM FLOW AND OPTIONS

TFT's BIV's are the ideal alternative to master intake valves integrated into the apparatus pump system because they eliminate the need for apparatus to be taken out of service for repair or maintenance of an intake valve. Units are constructed of stainless steel and lightweight, hard anodized and powder coated aluminum alloy. In addition, hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Models are available with a choice of manual or remote controls, a fast acting pressure relief valve, and a unique swiveling inlet.

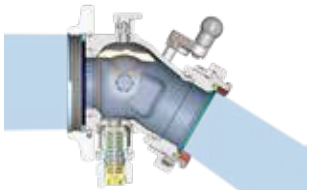


JUMBO LOW PROFILE BIV AXD1ST-NX-T

Unique Valve Design



When the BIV is closed, the water stays on the pump side so the inside of your valve is dry at all times.



When the BIV is open, the valve completely swings to the side and provides high flow, because of the unobstructed waterway.

Hundreds of Configurations



TFT offers a BIV solution for every application. Options include handle placement, inlet/outlet sizes, body profile, pressure relief, and remote control. Design your BIV to fit your unique apparatus.

High Flow to Your Pump



Available in either 3.65" (93 mm) or 5.25" (133 mm) waterway. The unobstructed waterway on a standard BIV with a 5" (127 mm) coupling has only 11 psi loss at 2000 gpm (0.8 bar @ 7600 l/min) and there's only 3 psi of loss at 2000 gpm (0.2 bar @ 7600 l/min) for the Jumbo Valve series with a 6" (152 mm) coupling.

For additional information on Ball Intake Valve's visit TFT.com
RC Ball Intake Valves are located on pages 186-191.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BIV BALL INTAKE VALVE™

AB Series - BIV - TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 3.5, 4, 4.5, 5 or 6" (89, 102, 114, 127 or 152 mm) hose. The 30° intake elbow swivels 360° and has multiple positive detents. Make hose connections from any direction with minimal kinks and coupling stress. Designed for pressure or vacuum service. Maximum operating pressure is 300 psi (21 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The hand wheel or hand crank needs 7-1/2 turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The unit comes equipped with a rugged 3/4" (19 mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's new adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Pressure Loss Chart is located at the end of catalog.

- **Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations**
- **To change a 4" or 5" Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram**
- **All 6" Storz couplings have an adjustable seal compression feature**
- **AB Models - Hand wheel installed on right side and can be easily switched to left side**
- **ABS Models - Do not have 30 degree swiveling intake elbow**
- **To add an additional Vent/Drain for the BIV order A1621-KIT**



Dimensional Maximum
AB7NT-NX
35.0 lbs (15.9 kg)
15.6" (39.6 cm) Height
13.0" (33 cm) Width
14.0" (35.6 cm) Depth

Ball Intake Valve
Your Choice

AB Series



Dimensional Maximum
ABS1SX-NX
31.1 lb (14.1 kg)
16.2" (41.1 cm) Height
13.4" (34.0 cm) Width
11.0" (27.9 cm) Depth

Short Ball
Intake Valve
Your Choice

ABS Series



Dimensional Maximum
AB7NT-NX-PS
35.0 lbs (15.9 kg)
16.0" (40.6 cm) Height
11.5" (29.2 cm) Width
14.0" (35.6 cm) Depth

Ball Intake Valve
Your Choice

AB*-PS Series



Dimensional Maximum
ABS1SX-NX-PS
31.6 lb (14.3 kg)
17.8" (45.2 cm) Height
11.2" (28.4 cm) Width
11.0" (27.9 cm) Depth

Short Ball
Intake Valve
Your Choice

ABS*-PS Series

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB(S) with AC(S). AC(S) denotes no PRV, deduct $265 from the appropriate AB or ABS published list price.

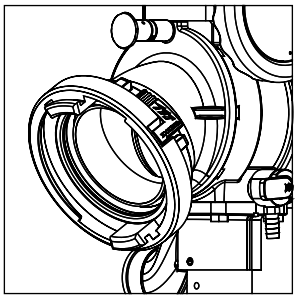
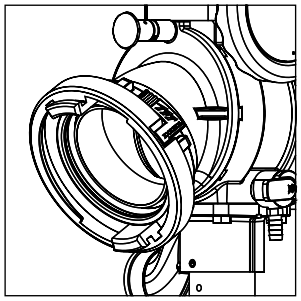
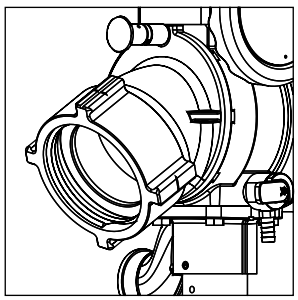
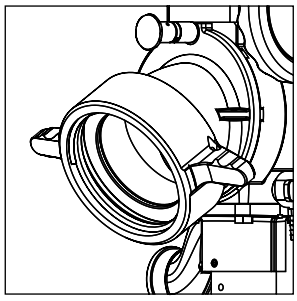
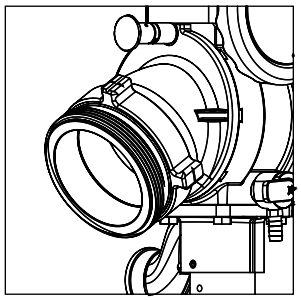
Pressure Relief Valve information is located on page 127. Suction Screen information is located on page 226, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	**4.5" NH (114 mm)** Pump Inlet Adapter
6" NH (152 mm) Threaded Male	**AA9NX-NP**	**AA9NX-NR**

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BIV BALL INTAKE VALVE™

AB/ ABS	Side B		–	Side A	–	Option
AB = Angled Intake Elbow ABS = No Intake Elbow	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+			NT) 5.0" (127 mm) Female Threaded Swivel NX) 6.0" (152 mm) Female Threaded Swivel		PS) Parallel Shaft Include PS if you want the Parallel Shaft top crank instead of the Hand Wheel. Leave blank for Hand Wheel
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+					
	7NN) 3.5" (89 mm) Female Threaded Swivel 7NP) 4.0" (102 mm) Female Threaded Swivel 7NR) 4.5" (114 mm) Female Threaded Swivel 7NT) 5.0" (127 mm) Female Threaded Swivel					
	7HNP) 4.0" (102 mm) Female Threaded Swivel Handle 7HNR) 4.5" (114 mm) Female Threaded Swivel Handle 7HNT) 5.0" (127 mm) Female Threaded Swivel Handle 7HNX) 6.0" (152 mm) Female Threaded Swivel Handle					
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid					

		-		-	

(Choose Style AB or ABS, Side B/Side A and operator option from table)

Example 1: 30 degree inlet elbow with 4.0" (102 mm) rocker lug female swivel on Side B and 6.0" NH (152 mm) handle female swivel on Side A with hand wheel control would be AB7NP-NX

AB	7NP	-	NX	-	

Example 2: Straight inlet with 4.0" (102 mm) Storz rigid on Side B and 6.0" NH (152 mm) handle female swivel on Side A with top crank control would be ABS1SP-NX-PS

ABS	1SP	-	NX	-	PS

+ All 6" Storz couplings have an adjustable seal compression feature

NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-2013 (R2018)

Please contact customer service for assistance in ordering.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

JUMBO BIV BALL INTAKE VALVE™

AX Series - TFT's Jumbo Ball Intake valve has a huge 5.25" (133 mm) diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm (0.2 bar at 7570 l/min). Designed for use with 3.5, 4, 4.5, 5 or 6" (89, 102, 114, 127, or 152 mm) hose. The 30° intake elbow swivels 360° and has multiple positive detents. Make hose connections in any direction with minimal kinks and coupling stress. Designed for pressure or vacuum service. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel# or hardcoat anodized aluminum alloy with corrosion resistant coating for additional corrosion protection. The handwheel or handcrank needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The unit comes equipped with a rugged 3/4" (19 mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Pressure Loss Chart is located at the end of catalog.

#6" Side A only

- **Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations**
- **To change a 4" or 5" Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram**
- **All 6" Storz couplings have an adjustable seal compression feature**
- **AX Models - Hand wheel installed on right side and can be easily switched to left side**
- **AP Models - Do not have 30 degree swiveling intake elbow**
- **To add an additional Vent/Drain for the Jumbo BIV order A1621-KIT**



AX Series

Dimensional Maximum
AX7HNX-NX
35.6 lbs (16.1 kg)
17.75" (45.1 cm) Height
14.00" (35.6 cm) Width
15.50" (39.4 cm) Depth

Jumbo Ball Intake Valve

(*Side A = ST =
(*Side A = SX =
(*Side A = NY =



AP Series

Dimensional Maximum
AP1SX-NX
35.2 lb (16.0 kg)
17.4" (44.2 cm) Height
13.4" (34.0 cm) Width
12.9" (32.8 cm) Depth

Jumbo Short Ball Intake Valve Your Choice

(*Side A = ST =(
(*Side A = SX =
(*Side A = NY =



AX*-PS Series

Dimensional Maximum
AX7HNX-NX-PS
35.6 lbs (16.1 kg)
18.75" (47.6 cm) Height
11.50" (29.2 cm) Width
15.50" (39.4 cm) Depth

Jumbo Ball Intake Valve Your Choice

(*Side A = ST =)
(*Side A = SX =
(*Side A = NY =



AP*-PS Series

Dimensional Maximum
AP1SX-NX-PS
35.2 lbs (16.0 kg)
12.70" (32.3 cm) Height
14.00" (35.6 cm) Width
12.20" (31.0 cm) Depth

Jumbo Short Ball Intake Valve Your Choice

(*Side A = ST =
(*Side A = SX =
(*Side A = NY =

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX(AP) with AZ(AQ). AZ(AQ) denotes no PRV, deduct $265 from the appropriate AX or AP published list price.

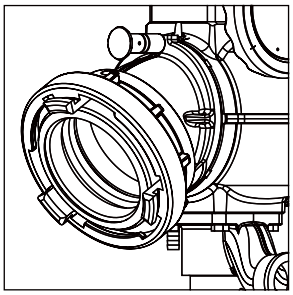
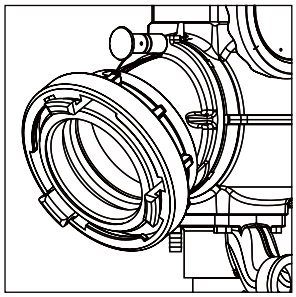
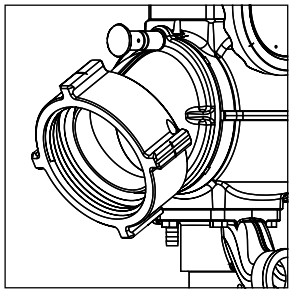
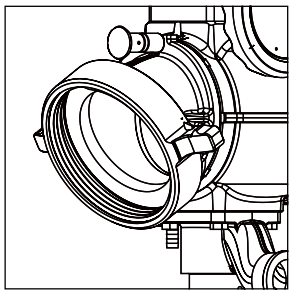
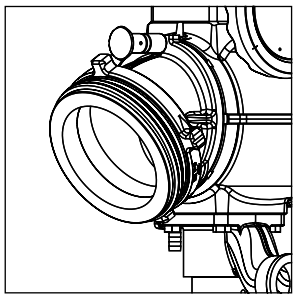
Pressure Relief Valve information is located on page 127. Suction Screen information is located on page 226, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	**4.5" NH (114 mm)** Pump Inlet Adapter
6" NH (152 mm) Threaded Male	**AA9NX-NP**	**AA9NX-NR**

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

JUMBO BIV BALL INTAKE VALVE™

AX/ AP	Side B		–	Side A	–	Option
AX = Angled Intake Elbow AP = No Intake Elbow	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+			NP) 4.0" (102 mm) Long Handle Female Coupling NR) 4.5" (114 mm) Long Handle Female Coupling NT) 5.0" (127 mm) Long Handle Female Coupling NX) 6.0")152 mm) Female Threaded Swivel NY) 8.0" (203 mm) Female Threaded Swivel * ST) 5.0" (127 mm) Storz swivel * SX) 6.0" (152 mm) Storz swivel *+		PS) Parallel Shaft Include if you want the Parallel Shaft top crank instead of the Hand Wheel. Leave blank for Hand Wheel
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+					
	7NN) 3.5" (89 mm) Female Threaded Swivel 7NP) 4.0" (102 mm) Female Threaded Swivel 7NR) 4.5" (114 mm) Female Threaded Swivel 7NT) 5.0" (127 mm) Female Threaded Swivel					
	7HNP) 4.0" (102 mm) Female Threaded Swivel Handle 7HNR) 4.5" (114 mm) Female Threaded Swivel Handle 7HNT) 5.0" (127 mm) Female Threaded Swivel Handle 7HNX) 6.0" (152 mm) Female Threaded Swivel Handle					
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid					

		-		-	

(Choose Style AX or AP, Side B/Side A and operator option from table)

Example 1: 30 degree inlet elbow with 4.0" (102 mm) rocker lug female swivel on Side B and 6.0" NH (152 mm) handle female swivel on Side A with hand wheel control would be AX7NP-NX

AX	7NP	-	NX	-	

Example 2: Straight inlet with 4.0" (102 mm) Storz rigid on Side B and 6.0" NH (152 mm) handle female swivel on Side A with top crank control would be AP1SP-NX-PS

AP	1SP	-	NX	-	PS

+ All 6" Storz couplings have an adjustable seal compression feature

NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-2013 (R2018)

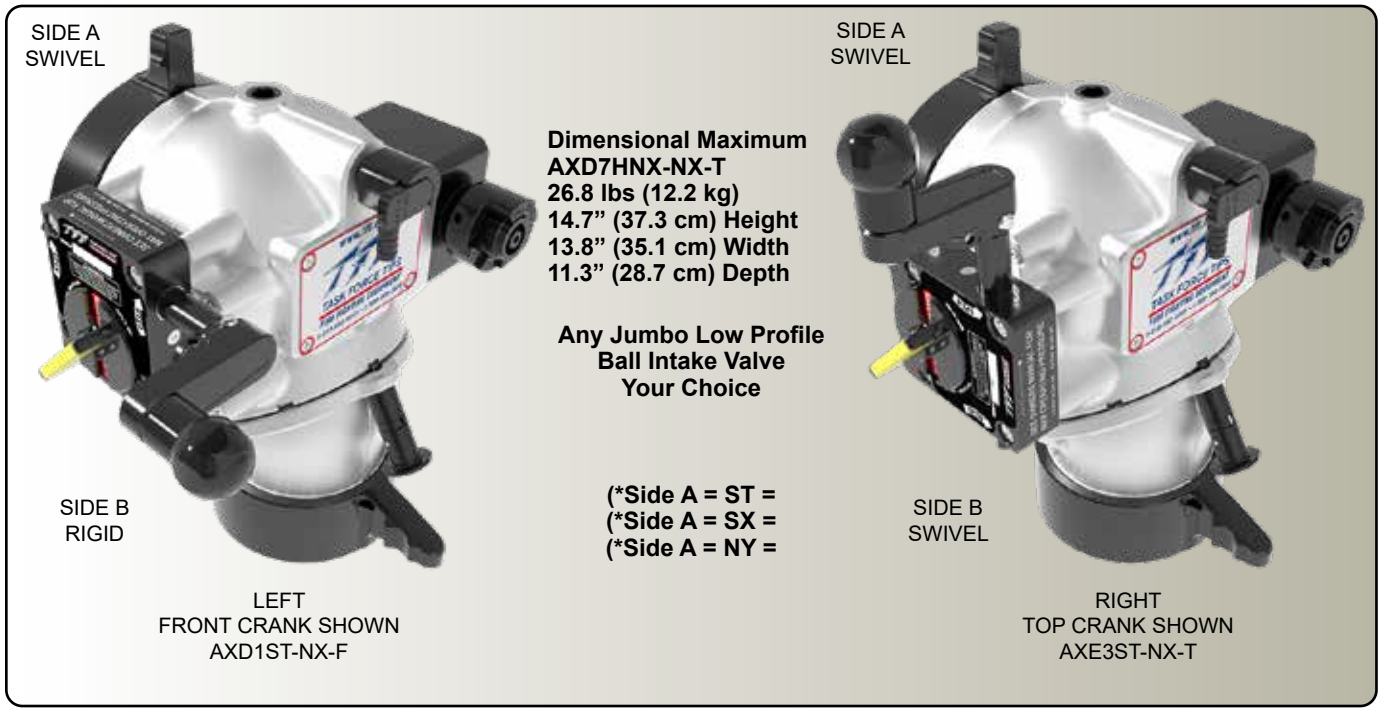
Please contact customer service for assistance in ordering.

JUMBO LOW PROFILE BIV BALL INTAKE VALVE™

AXD Series – TFT's Jumbo Low Profile Ball intake valve has a huge 5.25" (133 mm) diameter waterway giving low friction loss to maximize flow. Designed for use with 3.5, 4, 4.5, 5 or 6" (89, 102, 114, 124, or 152 mm) hose. The 30° intake elbow swivels 360°, has multiple positive detents. Make hose connections in any direction with minimal kinks and coupling stress. The valve is designed for pressure or vacuum service. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. Seven and a half turns of the hand crank to close the valve meets NFPA slow close requirements. A reflective position indicator clearly shows the operator the valve's position. The handcrank can be specified to operate in the front or the top of the valve to maximize clearance. A rugged ¼-turn Air Vent at the top of the valve allows air to be bled quickly. TFT's adjustable Pressure Relief Valve (PRV) is installed with the discharge pointing downward and meets NFPA 1901. All wetted components are aluminum alloys to prevent galvanic corrosion, and are specially coated for additional corrosion protection. Hose coupling and truck connections are attached to the valve using polymer bearing rings which can provide electrical isolation to help prevent galvanic corrosion. The Jumbo Low Profile Ball Intake Valve is covered by a 10 year warranty. Contact TFT customer service for configurations not shown. Friction loss is 5 psi at 2000 gpm (0.3 bar at 7570 l/min); Pressure Loss Chart is located at the end of catalog.

- **Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations**
- **To change a 4" or 5" Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram**
- **All 6" Storz couplings have an adjustable seal compression feature**
- **The aluminum castings are hardcoat anodized, and TFT Powder Coat finished inside and out for maximum corrosion protection.**
- **Cap lanyard anchor point is standard**

The Low Profile Jumbo Intake Valve series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.



If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD or AXE with AZE. Z denotes no PRV, deduct $265 from the appropriate AXD or AXE published list price.

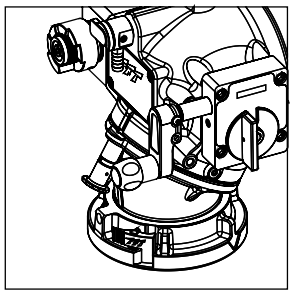
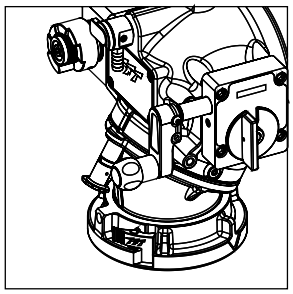
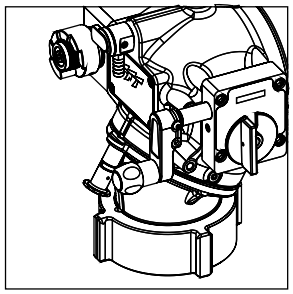
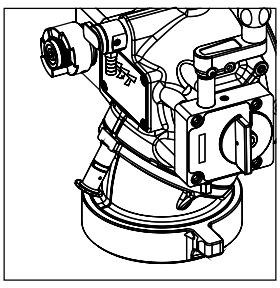
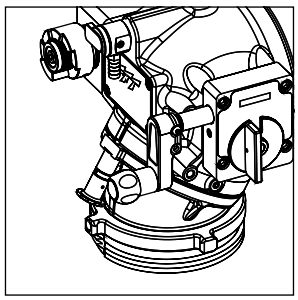
Suction Screen information is located on page 226, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	4.5" NH (114 mm) Pump Inlet Adapter
6" NH (152 mm) Threaded Male	AA9NX-NP	AA9NX-NR

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

JUMBO LOW PROFILE BIV BALL INTAKE VALVE™

Crank Side	Side B		—	Side A	—	Crank Position
AXD) Left **AXE)** Right	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+			NP) 4.0" (102 mm) Long Handle Female Coupling NR) 4.5" (114 mm) Long Handle Female Coupling NT) 5.0" (127 mm) Female Threaded Swivel NX) 6.0" (152 mm) Female Threaded Swivel NY) 8.0" (203 mm) Female Threaded Swivel * ST) 5.0" (127 mm) Storz swivel * SX) 6.0" (152 mm) Storz swivel *+		F) Front Crank T) Top Crank
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+					
	7NN) 3.5" (89 mm) Female Threaded Swivel 7NP) 4.0" (102 mm) Female Threaded Swivel 7NR) 4.5" (114 mm) Female Threaded Swivel 7NT) 5.0" (127 mm) Female Threaded Swivel					
	7HNP) 4.0" (102 mm) Female Threaded Swivel Handle 7HNR) 4.5" (114 mm) Female Threaded Swivel Handle 7HNT) 5.0" (127 mm)Female Threaded Swivel Handle 7HNX) 6.0" (152 mm) Female Threaded Swivel Handle					
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid					

AX*		-		-	

(Choose left or right, side B, side A, and crank position options from table)
Example: A Left 4.0" (102 mm) Rocker lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A with front crank would be

AXD	7	N	P	-	N	X	-	F

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) 45° Hi-Rise Valve

The TFT High Rise Kit helps eliminate cumbersome hose line setups and allows visibility of the supply pressure at the standpipe. The single piece 2-1/2" (64 mm) high flow elbow with pressure gauge is available with or without an integrated slow-close, half-ball valve. The single piece with swiveling couplings and pressure gauge section, eliminates fumbling with multiple pieces allowing a quick connection. The large, easy-to-read pressure gauge is protected by a heavy duty housing with a replaceable lens. The pressure gauge swivels 360° for easy visibility. A quarter-turn bleeder valve allows quick pressure bleeding of the waterway. The slow close valve includes a position indicator and the valve handle can be ordered on the left side or right side. The full-flow 2-1/2" waterway valve will not slam shut, while allowing easy movement under pressure. The High Rise Kit includes a heavy duty duffel bag, two spanner wrenches, a 2-1/2" x 1.5" (64 x 38 mm) reducer for use with 1.5" (38 mm) coupled hose, and a 1-1/2" x 2-1/2" (38 x 64 mm) increaser for break and extend operations from a 1-1/2" (38 mm) ball valve shut-off.



AVG2ENJNJ

8.0 lbs (3.6 kg)
11.4" (289 mm) Length
5.8" (146 mm) Width
9.4" (238 mm) Height

- **45° standpipe waterway with no valve**
- **Full 2.5" (64 mm) waterway that results in maximum flow rate with minimal friction loss**
- **Includes an air bleeder and a protected in-line pressure gauge that reads 0 – 200 psi (0-14 bar)**
- **Swivels 360° to fit the widest variety of standpipe connections**



AVGSC2LNJNJ

9.6 lbs (4.3 kg)
11.4" (289 mm) Length
8.8" (224 mm) Width
9.4" (238 mm) Height

- **45° standpipe waterway with a Left-handle slow close valve**
- **Full 2.5" (64 mm) waterway that results in maximum flow rate with minimal friction loss**
- **Includes a position indicator, which identifies open and close positions**
- **Includes an air bleeder and a protected in-line pressure gauge that reads 0 – 200 psi (0-14 bar)**
- **Valve body swivels 360° before tighening and body always swivels 360° to fit the widest variety of standpipe connections**



AVGSC2RNJNJ

9.6 lbs (4.3 kg)
11.4" (289 mm) Length
8.1" (206 mm) Width
9.4" (238 mm) Height

- **45° standpipe waterway with a Right-handle slow close valve**
- **Full 2.5" (64 mm) waterway that results in maximum flow rate with minimal friction loss**
- **Includes a position indicator, which identifies open and close positions**
- **Includes an air bleeder and a protected in-line pressure gauge that reads 0 – 200 psi (0-14 bar)**
- **Valve body swivels 360° before tighening and body always swivels 360° to fit the widest variety of standpipe connections**

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HIGH RISE KIT

Configurable for Different Stand Pipe Installations

HI-RISE-L (Left Handle Kit)
The kit includes a Compact Duffel Bag, 2.5” (64 mm) Standpipe Valve with left side handle, Pressure Gauge, (2) Spanner Wrenches, a 2.5”X 1.5” Reducer for use with a 1.5” (38 mm) coupled hose off the valve, and a 1.5”X 2.5” Increaser for break and extend hose operations off of a ball shut-off valve.

HI-RISE-R (Right Handle Kit)
The kit includes a Compact Duffel Bag, 2.5” (64 mm) Standpipe Valve with left side handle, Pressure Gauge, (2) Spanner Wrenches, a 2.5”X 1.5” Reducer for use with a 1.5” (38 mm) coupled hose off the valve, and a 1.5”X 2.5” Increaser for break and extend hose operations off of a ball shut-off valve.

H-RISE-E (Elbow Kit, No Valve)
This configuration has no internal valve and can be used as a Standpipe elbow with pressure gauge. The kits include a Compact Duffel Bag, 2.5” (64 mm) Standpipe Elbow with pressure gauge, (2) Spanner Wrenches, a 2.5”X 1.5” Reducer for use with a 1.5” (38 mm) coupled hose off the valve, and a 1.5” X 2.5” Increaser for break and extend hose operations off of a ball shut-off valve.

The large 2.5” (65 mm) Gauge is protected in a heavy duty housing and features a replaceable window.

The Pressure Gauge swivels 360 degrees for easy visibility in tight spaces.

Equipped with an integrated Air Bleeder Valve.



National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

FORESTRY VALVES

Foresty Tee Valves In-Line Valves and Gated Wyes

TEE VALVE has a hardcoat anodized cast aluminum body with 1.5" (38 mm) threads and 1.0" (25 mm) branch outlet. The valve stem has a durable nylon handle. The 2.5" (6.4 cm) hexagon body is 4.75" (12.1 cm) long.



ATNF-ND
ATNF-ID
ATIF-ND
ATIF-ID

MODEL	THREADS		INLET COUPLING	TEE VALVE BRANCH	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
ATNF-ND	1.5" NH (38 mm)	1.5" NH (38 mm)	Hexagon Fixed	1.0 NH" (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	
ATNF-ID	1.5" NH (38 mm)	1.5" NH (38 mm)	Hexagon Fixed	1.0 NPSH" (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	
ATIF-ND	1.5" NPSH (38 mm)	1.5" NPSH (38 mm)	Hexagon Fixed	1.0 NH" (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	
ATIF-ID	1.5" NPSH (38 mm)	1.5" NPSH (38 mm)	Hexagon Fixed	1.0 NPSH" (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	

IN-LINE VALVE has an aluminum body with 1" (25 mm) ball type valve and optional long or short nylon valve handles. Hardcoat anodized finish. Inlet and outlet thread choices are listed in charts below for model numbers. 4" (10.2 cm) long by 2.25" (5.7 cm) wide, excluding handles. NPSH threads available at no extra cost. Please specify NPSH in description.



AVLND-ND
AVLNF-ND
AVLNF-NF



AVSND-ND
AVSNF-ND
AVSNF-NF

MODEL	THREADS		COUPLING	VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
AVLND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	
AVLNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	
AVLNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	
AVSND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	
AVSNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	
AVSNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Short Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	

FORESTRY GATED WYE has a cast aluminum body with 1" (25 mm) ball type valves and optional long or short nylon valve handles. Hardcoat anodized finish. Inlet and outlet threads are available in various combinations of 1" & 1.5" (25 mm & 38 mm) NH and NPSH. Pressure tested to 1000 psi (70 bar) and is 5" (12.7 cm) long by 5.5" (14 cm) wide, excluding handles. See charts below for model numbers. NPSH threads available at no extra cost. Please specify NPSH in description.



AYLND-ND
AYLND-NF
AYLNF-ND
AYLNF-NF



AYSND-ND
AVSNF-ND
AYSNF-NF

Continued on next page.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FORESTRY AND GATED WYES

Foresty and Gated Wyes

Continued from previous page.

MODEL	THREADS		COUPLING	VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
AYLND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	
AYLND-NF	1.0" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	
AYLNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	
AYLNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	
AYSND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	
AYSNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	
AYSNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Short Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	

2.5" x 1.5" (64 mm x 38 mm) Gated Wye



AYNJ-NF

- Quarter-turn aluminum ball valves provide a positive shut-off
- Hardcoat anodized couplings
- Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out
- Full flow 1.5" (38 mm) ball waterway
- Super tough nylon color coded folding handles



AYSNJ-NF

- Quarter-turn aluminum ball valves provide a positive shut-off
- Hardcoat anodized couplings
- Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out
- Full flow 1.5" (38 mm) ball waterway
- Hardcoat anodized aluminum color coded short handles



AYG-NJ-NF
AYT-NJ-NF

- Intended for use in high rise packs
- One branch connects to the hose the other branch has a quarter-turn aluminum ball valve for a positive shut-off
- A 0-200 psi (0-14 bar) pressure gauge on top of the wye
- Hardcoat anodized coupling
- Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out
- Full flow 1.5" (38 mm) ball waterway
- Super tough nylon folding handle

MODEL	THREADS		COUPLING	VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
AYNJ-NF	2.5" NH (64 mm)	(2) 1.5" NH (38 mm)	Rocker Lug Swivel	Long Handles	6.0" x 6.75" (15.2 x 17.1 cm)	3.6 lb (1.6 kg)	
AYSNJ-NF	2.5" NH (64 mm)	(2) 1.5" NH (38 mm)	Rocker Lug Swivel	Short Handles	5.2" x 6.75" (13.2 x 17.1 cm)	4.9 lb (2.2 kg)	
AYG-NJ-NF	2.5" NH (64 mm)	(2) 1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	6.0" x 6.75" (15.2 x 17.1 cm)	4.9 lb (2.2 kg)	
AYT-NJ-NF	2.5" NH (64 mm)	(1) 1.5" NH (38 mm) & (1) 2.5" NH (64 mm)	Rocker Lug Swivel	Long Handle	6.0" x 6.75" (15.2 x 17.1 cm)	4.9 lb (2.2 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

2.5" (64 mm) HYDRANT VALVE

TFT's Quarter Turn Hydrant Valve is a lightweight valve with a full 2.5" (64 mm) waterway. 300 psi (21 bar) operating pressure from either side of valve. Valve handle has low force to move valve even under pressure. Automatic valve lock keeps valve position while flowing at partial openings. All the components on the wet side of the valve are made of hardcoat anodized aluminum for additional corrosion protection. Pipe threaded ports for pressure gauge or bleeder valve. Aluminum casting is hardcoated and silver TFT-powder coat finish inside and out for maximum corrosion protection.



- Quarter-turn aluminum ball valve provide a positives shut-off
- Field replaceable valve seat
- Super tough nylon folding handle
- A1621-KIT Vent drain kit available

AV5NJ-NJ



- Quarter-turn aluminum ball valves provide a positive shut-off
- Field replaceable valve seat
- Super tough nylon folding handle
- A1621-KIT Vent drain kit available

AV5HNJ-NJ



- Slow close multi-turn knob prevents water hammer
- Includes valve position indicator
- Field replaceable valve seat
- A1621-KIT Vent drain kit available

AV5NJ-NJ-SC



- Slow close multi-turn knob prevents water hammer
- Includes valve position indicator
- Field replaceable valve seat
- A1621-KIT Vent drain kit available

AV5HNJ-NJ-SC

NFPA 1964 COMPLIANT

MODEL	THREADS		INLET COUPLING	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
AV5NJ-NJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	2.5" (64 mm)	7.6"H x 5.7"W x 8.4"L (19.3 x 14.5 x 21.3 cm)	5.8 lb (2.6 kg)	
AV5HNJ-NJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	2.5" (64 mm)	7.6"H x 9.0"W x 8.4"L (19.3 x 22.9 x 21.3 cm)	5.8 lb (2.6 kg)	
AV5NJ-NJ-SC	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	2.5" (64 mm)	9.1"H x 5.7"W x 8.4"L (22.6 x 14.5 x 21.3 cm)	5.8 lb (2.6 kg)	
AV5HNJ-NJ-SC	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	2.5" (64 mm)	9.1"H x 9.0"W x 8.4"L (22.6 x 22.9 x 21.3 cm)	5.8 lb (2.6 kg)	

2.5" x 1.5" (64 mm x 38 mm) WATER THIEF

TFT's Water Thief is a lightweight valve with full 2.5" and 1.5" (64 mm and 38 mm) waterways. 300 psi (21 bar) operating pressure from either side of the valves. Field replaceable valve seats. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock on the 2.5" (64 mm) valve keeps its position while flowing at partial openings. Special internal contour on the 1.5" (38 mm) valves keeps them in position while flowing. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Slow close 2.5" (64 mm) valve models available.



- Folding nylon handles minimize storage space
- Red, blue, and orange valve color coding
- Pipe theaded port for pressure gauge
- Strap assists in carrying and dragging hose

WT5NJ-NJ-NF



- Folding nylon handles minimize storage space
- Red, blue, and orange valve color coding
- Pipe theaded port for pressure gauge
- Strap assists in carrying and dragging hose

WT5HNJ-NJ-NF

MODEL	THREADS		INLET COUPLING	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET				
WT5NJ-NJ-NF	2.5" (64 mm)	2.5" (64 mm), (2) 1.5" (38 mm)	Rocker Lug Swivel	7.6"H x 9.8"W x 10.6"L (19.3 x 24.9 x 26.9 cm)	9.7 lb (4.4 kg)	
WT5HNJ-NJ-NF	2.5" (64 mm)	2.5" (64 mm), (2) 1.5" (38 mm)	Swivel Long Handle	7.6"H x 9.8"W x 10.6"L (19.3 x 24.9 x 26.9 cm)	10.4 lb (4.7 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

2.5" (64 mm) SLOW CLOSE HI-RISE VALVE

TFT's 2.5" (64 mm) Slow Close High Rise Valve is a lightweight valve with a full 2.5" (64 mm) waterway designed for use on standpipes, truck outlets, on the ground, or where having a pressure reading is advantageous. 300 psi (21 bar) operating pressure from either side of valve. Automatic valve lock keeps valve position while flowing at partial openings. All the components on the wet side of the valve are made of hardcoat anodized aluminum for additional corrosion protection. Anchor point for cap tether attachment. Aluminum casting is hardcoated and silver TFT-powder coat finish inside and out for maximum corrosion protection. The In-line Pressure Gauge incorporates a liquid filled pressure gauge with an easy to read gauge face into a solid aluminum body, protecting the gauge from damage. Built into the casting is a pitot pickup for an accurate reading of the total pressure in the center of the waterway. The gauge also includes a replaceable lens that protects the gauge face from damage. The lens can easily be changed if it becomes scratched or damaged. Pivoting outlets cut the weight of hi-rise packs by eliminating separate components. Fully pivoting the discharge changes the gauge reading by less than 5 psi (0.3 bar) at 500 gpm (2000 l/min).



- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat.

AVGSC3FNJNJ
AVGSC2FNJNJ



- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat.

AVGSC3FHNJNJ
AVGSC2FHNJNJ



- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat
- Pivoting outlet joint that moves ±20° from center for controlling hose kinks on standpipes with horizontal or vertical discharge

AVGSC3SNJNJ
AVGSC2SNJNJ



- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat
- Pivoting outlet joint that moves ±20° from center for controlling hose kinks on standpipes with horizontal or vertical discharge

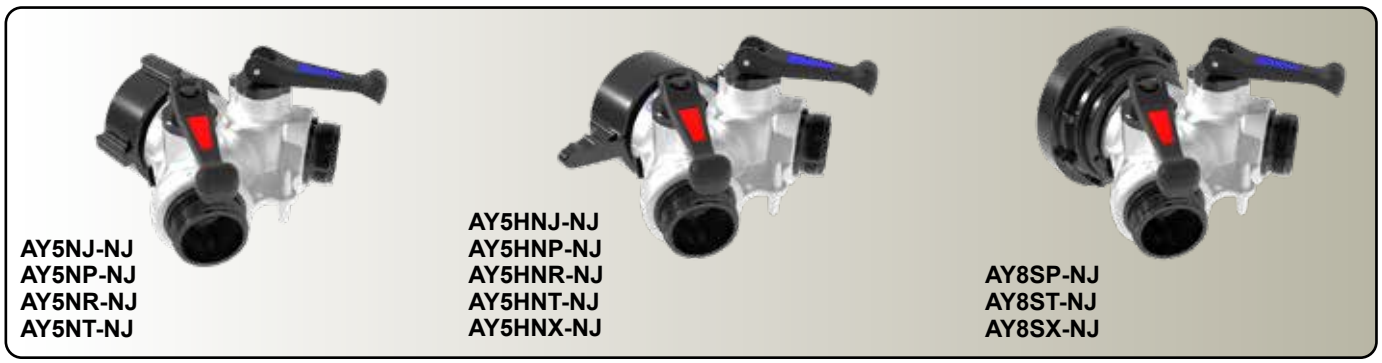
AVGSC3SHNJNJ
AVGSC2SHNJNJ

MODEL	THREADS		INLET COUPLING	PIVOTING OUTLET	PRESSURE GAUGE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET						
AVGSC3FNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	NO	0-300 psi (0-21 bar)	7.7"H x 5.6"W x 12.4"L (19.6 x 14.2 x 31.5 cm)	9.4 lb (4.3 kg)	
AVGSC2FHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	N0	0-200 psi (0-14 bar)	7.7"H x 5.6"W x 12.4"L (19.6 x 14.2 x 31.5 cm)	9.4 lb (4.3 kg)	
AVGSC3SNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	±20° pivoting NH male	0-300 psi (0-21 bar)	7.7"H x 5.6"W x 14.1"L (19.6 x 14.2 x 35.8 cm)	9.5 lb (4.3 kg)	
AVGSC2FNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	±20° pivoting NH male	0-200 psi (0-14 bar)	7.7"H x 5.6"W x 14.1"L (19.6 x 14.2 x 35.8 cm)	9.5 lb (4.3 kg)	
AVGSC3FHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	NO	0-300 psi (0-21 bar)	7.7"H x 9.0"W x 12.4"L (19.6 x 22.9 x 31.5 cm)	9.4 lb (4.3 kg)	
AVGSC2SHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	N0	0-200 psi (0-14 bar)	7.7"H x 9.0"W x 12.4"L (19.6 x 22.9 x 31.5 cm)	9.4 lb (4.3 kg)	
AVGSC3SHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	±20° pivoting NH male	0-300 psi (0-21 bar)	7.7"H x 9.0"W x 12.4"L (19.6 x 22.9 x 31.5 cm)	10.1 lb (4.6 kg)	
AVGSC2SNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	±20° pivoting NH male	0-200 psi (0-14 bar)	7.7"H x 9.0"W x 12.4"L (19.6 x 22.9 x 31.5 cm)	10.1 lb (4.6 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (64 mm) GATED WYE

TFT's 2 ½ Inch (65mm) Gated Wye is a lightweight wye with a full 2 ½ inch (65mm) waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seats. Quarter turn folding valve handles for the ultimate in compactness. Low force to move valve even under pressure. Cast in carrying handle. Automatic valve lock keeps valve position while flowing at partial openings. Pipe threaded ports for pressure gauge and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.



AY5NJ-NJ
AY5NP-NJ
AY5NR-NJ
AY5NT-NJ

AY5HNJ-NJ
AY5HNP-NJ
AY5HNR-NJ
AY5HNT-NJ
AY5HNX-NJ

AY8SP-NJ
AY8ST-NJ
AY8SX-NJ

NFPA 1964 COMPLIANT

MODEL	THREADS		COUPLING		VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY5NJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.4 lb (4.7 kg)	
AY5NP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.1 lb (5.5 kg)	
AY5NR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.4 lb (6.0 kg)	
AY5NT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.0 lb (6.1 kg)	
AY5HNJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.8 lb (4.9 kg)	
AY5HNP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.3 lb (5.6 kg)	
AY5HNR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19.0 cm)	13.5 lb (6.1 kg)	
AY5HNT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19.0 cm)	13.4 lb (6.1 kg)	
AY5HNX-NJ	6.0 " NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.2 lb (5.5 kg)	
AY8SP-NJ	4.0" (102 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.2 lb (5.1 kg)	
AY8ST-NJ	5.0" (127 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.9 lb (5.9 kg)	
AY8SX-NJ	6.0 " (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	15.4 lb (7.0 kg)	

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page 227

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page 226

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

2.5" (64 mm) GATED SIAMESE

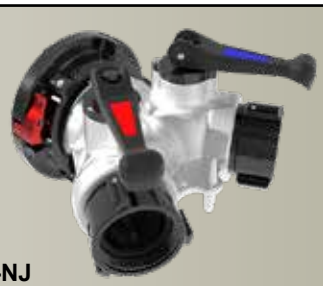
TFT's 2 ½ Inch (65mm) Gated Siamese is a lightweight wye with a full 2 ½ inch (65mm) waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seats. Quarter turn folding valve handles for the ultimate in compactness. Low force to move valve even under pressure. Cast in carrying handle. Automatic valve lock keeps valve position while flowing at partial openings. Pipe threaded ports for pressure gage and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.



AY7NJ-NJ
AY7NP-NJ
AY7NR-NJ
AY7NT-NJ



AY7HNJ-NJ
AY7HNP-NJ
AY7HNR-NJ
AY7HNT-NJ
AY7HNX-NJ



AY9SP-NJ
AY9ST-NJ
AY9SX-NJ

NFPA 1964 COMPLIANT

MODEL	THREADS		COUPLING		VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY7NJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.1 lb (4.6 kg)	
AY7NP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.1 lb (5.9 kg)	
AY7NR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.4 lb (6.5 kg)	
AY7NT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.6 lb (6.2 kg)	
AY7HNJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.9 lb (5.4 kg)	
AY7HNP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.7 lb (6.2 kg)	
AY7HNR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.6 lb (6.6 kg)	
AY7HNT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.4 lb (6.5 kg)	
AY7HNX-NJ	6.0" NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.4 lb (6.5 kg)	
AY9SP-NJ	4.0" (102 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.3 lb (5.6 kg)	
AY9ST-NJ	5.0" (127 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.0 lb (6.4 kg)	
AY9SX-NJ	6.0" (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	16.5 lb (7.5 kg)	

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page 227

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page 226

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

2.5" (64 mm) GATED WYE - SLOW CLOSE

TFT's 2.5" (64 mm) Gated Wye is a lightweight wye with a full 2.5" (64 mm) waterway. 300 psi (21 bar) operating pressure from either side of valve. Field replaceable valve seats. Multi-turn knob meets slow close requirements, prevents water hammer. Includes a visual valve position indicator. Cast in carrying handle. Pipe threaded ports for pressure gauge and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.



AY5NJ-NJ-SC
AY5NP-NJ-SC
AY5NR-NJ-SC
AY5NT-NJ-SC

AY5HNJ-NJ-SC
AY5HNP-NJ-SC
AY5HNR-NJ-SC
AY5HNT-NJ-SC
AY5HNX-NJ-SC

AY8SP-NJ-SC
AY8ST-NJ-SC
AY8SX-NJ-SC

NFPA 1964 COMPLIANT

MODEL	THREADS		COUPLING		SLOW CLOSE VALVE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY5NJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5NP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5NR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5NT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5HNJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5HNP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5HNR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5HNT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY5HNX-NJ-SC	6.0" NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	
AY8SP-NJ-SC	4.0" (102 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	
AY8ST-NJ-SC	5.0" (127 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	
AY8SX-NJ-SC	6.0" (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page 227

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page 226

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

2.5" (64 mm) GATED SIAMESE - SLOW CLOSE

TFT's 2.5" (64 mm) Gated Siamese is a lightweight wye with a full 2.5" (64 mm) waterway. 300 psi (21 bar) operating pressure from either side of valve. Field replaceable valve seats. Multi-turn knob meets slow close requirements, prevents water hammer. Includes a visual valve position indicator. Cast in carrying handle. Pipe threaded ports for pressure gauge and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.



AY7NJ-NJ-SC
AY7NP-NJ-SC
AY7NR-NJ-SC
AY7NT-NJ-SC



AY7HNJ-NJ-SC
AY7HNP-NJ-SC
AY7HNR-NJ-SC
AY7HNT-NJ-SC
AY7HNX-NJ-SC



AY9SP-NJ-SC
AY9ST-NJ-SC
AY9SX-NJ-SC

NFPA 1964 COMPLIANT

MODEL	THREADS		COUPLING		SLOW CLOSE VALVE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY7NJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7NP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7NR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7NT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7HNJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7HNP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7HNR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7HNT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY7HNX-NJ-SC	6.0" NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	
AY9SP-NJ-SC	4.0" (102 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	
AY9ST-NJ-SC	5.0" (127 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	
AY9SX-NJ-SC	6.0" (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page 227

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page 226

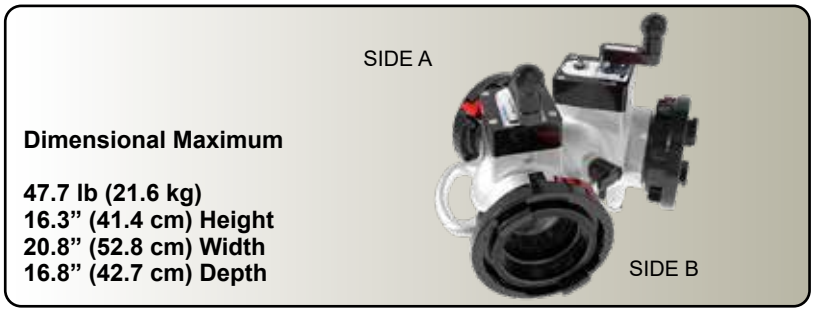
To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

LDH GATED WYE

The LDH Gated Wye is a lightweight, low friction-loss valve that can be used in many water distribution applications. Dual robust valve mechanisms from the TFT Ball Intake Valve are streamlined to a large waterway for the ultimate in versatility. Valve seats are field replaceable, devices include a 300 psi (21 bar) pressure gauge and quarter turn air vent and drain valve. Two robust carrying handles make for easy deployment. A polymer bearing ring prevents galvanic corrosion on LDH couplings.

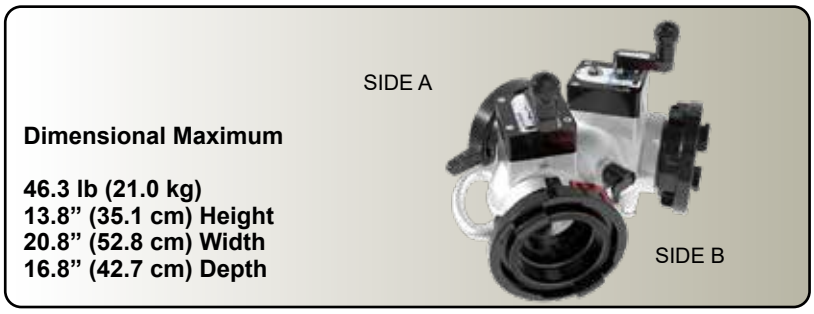


Dimensional Maximum

47.7 lb (21.6 kg)
16.3" (41.4 cm) Height
20.8" (52.8 cm) Width
16.8" (42.7 cm) Depth

DUAL BALL INTAKE VALVE - Truck / Fixed Applications

	SIDE A		SIDE B (2 Couplings)		
	TYPE	SIZE	TYPE	SIZE	PRV
AL2					**1**
	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 5) Female Long Handle (FTS) 6) Female Long Handle (NFS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) PRV



Dimensional Maximum

46.3 lb (21.0 kg)
13.8" (35.1 cm) Height
20.8" (52.8 cm) Width
16.8" (42.7 cm) Depth

LDH GATED WYE - Ground / Loose Equipment

	SIDE A		SIDE B (2 Couplings)		
	TYPE	SIZE	TYPE	SIZE	PRV
AL2					**0**
	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 5) Female Long Handle (FTS) 6) Female Long Handle (NFS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) NO PRV



- **Stainless Steel**
- **Mounts vertically or horizontally**
- **Not for units with PRV**

AU-BRACKET

5.5 lbs. (2.5 kg)
12.5" W x 11.1" D x 1.0" H
(31.8 x 28.2 x 2.5 cm)

NFS. Non-Full-time Swivel. Coupling will not swivel after tightening connection

FTS. Full-time Swivel. Coupling can still swivel after tightening connection.

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.

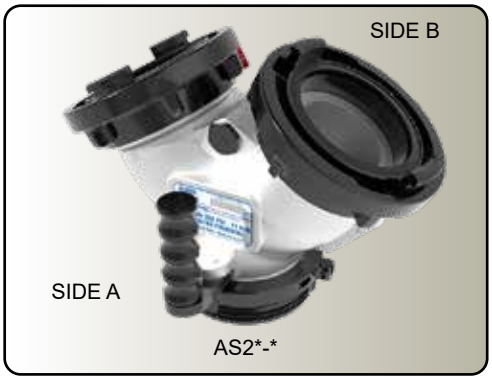
National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

JUMBO SIAMESE DUAL CLAPPER

AS Series - JUMBO SIAMESE - Designed for 2.5, 3, 3.5, 4, 4.5, 5, or 6 inch (65, 75, 90, 100, 115, 125, or 150mm) hose. Siamese appliances feature dual clapper valves to allow one or both inlets to be disconnected without draining the water in the third hose line connection. TFT's Siamese are more efficient for LDH flow systems. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized and TFT-powder coat finish inside and out for maximum corrosion protection. Rugged carrying handle included. Three strategically placed legs allow the appliance to sit off the ground even with 6" Storz on inlet/outlet. Large main housing provides superior strength and durability. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

Dimensional Maximum
21.9 lbs (9.9 kg)
11.5" (29.2 cm) Length
15.2" (38.6 cm) Width
10.1" (25.7 cm) Height

AS2		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Rigid	4.5" (114 mm) Threaded Rigid	5.0" (127 mm) Threaded Rigid	6.0" (152 mm) Threaded Rigid
SIDE B - Dual	4.0" (102 mm) Storz	AS2SP-NP	AS2SP-NR	AS2SP-NT	AS2SP-NX
	5.0" (127 mm) Storz	AS2ST-NP	AS2ST-NR	AS2ST-NT	AS2ST-NX
	6.0" (152 mm) Storz Swivel+	AS2SX-NP	AS2SX-NR	AS2SX-NT	AS2SX-NX



AS3		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel *
SIDE B - Dual Swivel	4.0" (102 mm) Storz	AS3SP-NP	AS3SP-NR	AS3SP-NT	AS3SP-NX
	5.0" (127 mm) Storz	AS3ST-NP	AS3ST-NR	AS3ST-NT	AS3ST-NX
	6.0" (152 mm) Storz Swivel+	AS3SX-NP	AS3SX-NR	AS3SX-NT	AS3SX-NX



* Short handle only. All others rocker lug.

AS4		SIDE A - Single Storz		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel+
SIDE B - Dual	4.0" (102 mm) Storz	AS4SP-SP	AS4SP-ST	AS4SP-SX
	5.0" (127 mm) Storz	AS4ST-SP	AS4ST-ST	AS4ST-SX
	6.0" (152 mm) Storz Swivel+	AS4SX-SP	AS4SX-ST	AS4SX-SX



To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

JUMBO SIAMESE DUAL CLAPPER

AS5		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Male Rigid	4.5" (114 mm) Threaded Male Rigid	5.0" (127 mm) Threaded Male Rigid	6.0" (152 mm) Threaded Male Rigid
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AS5NL-NP	AS5NL-NR	AS5NL-NT	AS5NL-NX
	3.5" (89 mm) Threaded Swivel	AS5NN-NP	AS5NN-NR	AS5NN-NT	AS5NN-NX
	4.0" (110 mm) Threaded Swivel	AS5NP-NP	AS5NP-NR	AS5NP-NT	AS5NP-NX
	4.5" (114 mm) Threaded Swivel	AS5NR-NP	AS5NR-NR	AS5NR-NT	AS5NR-NX
	5.0" (127 mm) Threaded Swivel	AS5NT-NP	AS5NT-NR	AS5NT-NT	AS5NT-NX



AS7		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AS7NL-NP	AS7NL-NR	AS7NL-NT	AS7NL-NX
	3.5" (89 mm) Threaded Swivel	AS7NN-NP	AS7NN-NR	AS7NN-NT	AS7NN-NX
	4.0" (110 mm) Threaded Swivel	AS7NP-NP	AS7NP-NR	AS7NP-NT	AS7NP-NX
	4.5" (114 mm) Threaded Swivel	AS7NR-NP	AS7NR-NR	AS7NR-NT	AS7NR-NX
	5.0" (127 mm) Threaded Swivel	AS7NT-NP	AS7NT-NR	AS7NT-NT	AS7NT-NX



* Short handle only. All others rocker lug.

AS9		SIDE A - Single Storz Swivel		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel +
SIDE B - Dual Female Swivel Rocker NH	2.5" (65 mm) Threaded Swivel	AS9NJ-SP#	AS9NJ-ST#	AS9NJ-SX#
	3.0" (76 mm) Threaded Swivel	AS9NL-SP	AS9NL-ST	AS9NL-SX
	3.5" (89 mm) Threaded Swivel	AS9NN-SP	AS9NN-ST	AS9NN-SX
	4.0" (110 mm) Threaded Swivel	AS9NP-SP	AS9NP-ST	AS9NP-SX
	4.5" (114 mm) Threaded Swivel	AS9NR-SP	AS9NR-ST	AS9NR-SX
	5.0" (127 mm) Threaded Swivel	AS9NT-SP	AS9NT-ST	AS9NT-SX



AS9*-* #

#Single clapper only. Single Leg. Does not include carrying handle.



AS9*-*

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

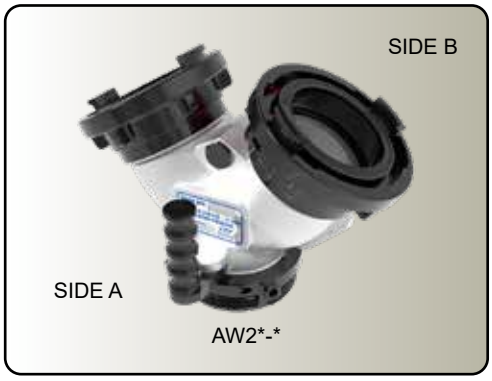
National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

JUMBO WYE

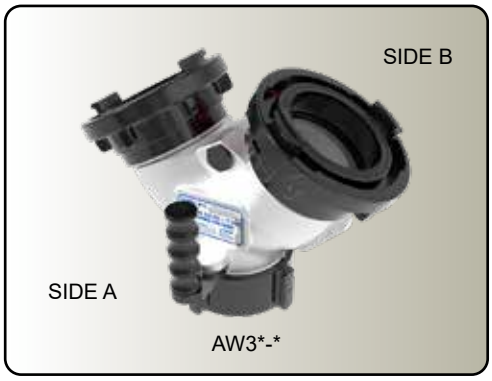
AW Series - JUMBO WYE - The same construction as the JUMBO SIAMESE, but without the clapper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized and TFT-powder coat finish inside and out for maximum corrosion protection. Rugged carrying handle included. Three strategically placed legs allow the appliance to sit off the ground even with 6" Storz on inlet/outlet. Large main housing provides superior strength and durability. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

Dimensional Maximums
16.6 lbs (7.5kg)
11.50" (29.2cm) Length
15.20" (38.6cm) Width
10.10" (25.7cm) Height

AW2		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Rigid	4.5" (114 mm) Threaded Rigid	5.0" (127 mm) Threaded Rigid	6.0" (152 mm) Threaded Rigid
SIDE B - Dual	4.0" (100 mm) Storz	AW2SP-NP	AW2SP-NR	AW2SP-NT	AW2SP-NX
	5.0" (127 mm) Storz	AW2ST-NP	AW2ST-NR	AW2ST-NT	AW2ST-NX
	6.0" (152 mm) Storz Swivel+	AW2SX-NP	AW2SX-NR	AW2SX-NT	AW2SX-NX

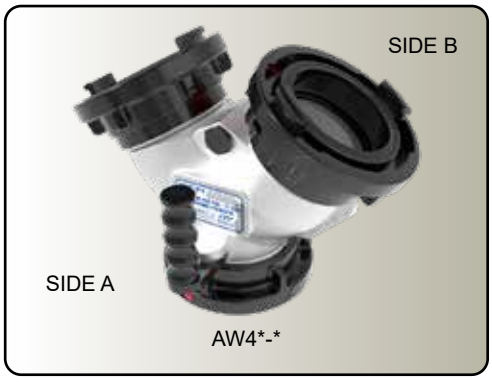


AW3		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel *
SIDE B - Dual	4.0" (100 mm) Storz	AW3SP-NP	AW3SP-NR	AW3SP-NT	AW3SP-NX
	5.0" (127 mm) Storz	AW3ST-NP	AW3ST-NR	AW3ST-NT	AW3ST-NX
	6.0" (152 mm) Storz Swivel+	AW3SX-NP	AW3SX-NR	AW3SX-NT	AW3SX-NX



+Short handle only. All others rocker lug.

AW4		SIDE A - Single Storz		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel
SIDE B - Dual	4.0" (110 mm) Storz	AW4SP-SP	AW4SP-ST	AW4SP-SX
	5.0" (127 mm) Storz	AW4ST-SP	AW4ST-ST	AW4ST-SX
	6.0" (152 mm) Storz Swivel+	AW4SX-SP	AW4SX-ST	AW4SX-SX



To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

JUMBO WYE

AW5

		SIDE A - Single Male Rigid NH			
		4.0” (102 mm) Threaded Male Rigid	4.5” (114 mm) Threaded Male Rigid	5.0” (127 mm) Threaded Male Rigid	6.0” (152 mm) Threaded Male Rigid
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AW5NL-NP	AW5NL-NR	AW5NL-NT	AW5NL-NX
	3.5" (89 mm) Threaded Swivel	AW5NN-NP	AW5NN-NR	AW5NN-NT	AW5NN-NX
	4.0" (102 mm) Threaded Swivel	AW5NP-NP	AW5NP-NR	AW5NP-NT	AW5NP-NX
	4.5" (114 mm) Threaded Swivel	AW5NR-NP	AW5NR-NR	AW5NR-NT	AW5NR-NX
	5.0" (127 mm) Threaded Swivel	AW5NT-NP	AW5NT-NR	AW5NT-NT	AW5NT-NX



AW7

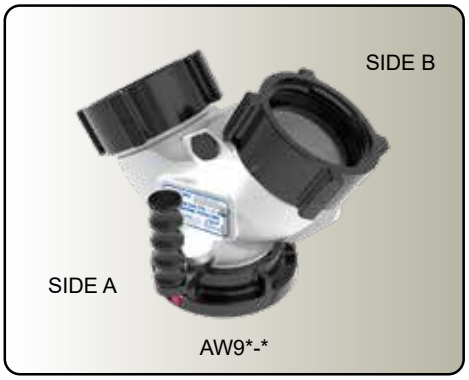
		SIDE A - Single Female Swivel Rocker NH			
		4.0” (102 mm) Threaded Swivel	4.5” (114 mm) Threaded Swivel	5.0” (127 mm) Threaded Swivel	6.0” (152 mm) Threaded Swivel *
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AW7NL-NP	AW7NL-NR	AW7NL-NT	AW7NL-NX
	3.5" (89 mm) Threaded Swivel	AW7NN-NP	AW7NN-NR	AW7NN-NT	AW7NN-NX
	4.0" (102 mm) Threaded Swivel	AW7NP-NP	AW7NP-NR	AW7NP-NT	AW7NP-NX
	4.5" (114 mm) Threaded Swivel	AW7NR-NP	AW7NR-NR	AW7NR-NT	AW7NR-NX
	5.0" (127 mm) Threaded Swivel	AW7NT-NP	AW7NT-NR	AW7NT-NT	AW7NT-NX



* Short handle only. All others rocker lug.

AW9

		SIDE A - Single Storz Swivel		
		4.0” (102 mm) Storz	5.0” (127 mm) Storz	6.0” (152 mm) Storz Swivel+
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AW9NL-SP	AW9NL-ST	AW9NL-SX
	3.5" (89 mm) Threaded Swivel	AW9NN-SP	AW9NN-ST	AW9NN-SX
	4.0" (102 mm) Threaded Swivel	AW9NP-SP	AW9NP-ST	AW9NP-SX
	4.5" (114 mm) Threaded Swivel	AW9NR-SP	AW9NR-ST	AW9NR-SX
	5.0" (127 mm) Threaded Swivel	AW9NT-SP	AW9NT-ST	AW9NT-SX



To change a 4” (102 mm) or 5” (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

+ All 6” Storz couplings have an adjustable seal compression feature

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

LDH WATER THIEF

TFT's LDH Water Thief is a rugged valve with two valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is hardcoat anodized and silver TFT Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

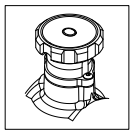
WITHOUT PRV
Dimensional Maximum

22.0 lbs (10.0 kg)
8.75" (22.2 cm) Height
15.00" (38.1 cm) Width
15.60" (39.6 cm) Depth

WITH PRV
Dimensional Maximum

25.0 lbs (11.3 kg)
11.50" (29.2 cm) Height
15.00" (38.1 cm) Width
15.60" (39.6 cm) Depth





Slow Close Valve Option is available on all models. Add suffix -SC and add $90.00 to list price.

AL1

A INLET SIDE		**B** OUTLET SIDE		PRV
Inlet Type 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	Outlet Type 1) Storz Rigid 2) Storz Swivel 7) Male Rigid	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) No 1) Yes

Water Thief Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

LDH SIAMESE WATER THIEF

TFT's LDH Siamese Water Thief is a rugged valve with two valved inlet ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is hardcoat anodized and silver TFT Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

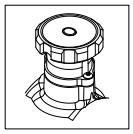
WITHOUT PRV
Dimensional Maximum

22.0 lbs (10.0 kg)
8.75" (22.2 cm) Height
15.00" (38.1 cm) Width
15.60" (39.6 cm) Depth

WITH PRV
Dimensional Maximum

25.0 lbs (11.3 kg)
11.50" (29.2 cm) Height
15.00" (38.1 cm) Width
15.60" (39.6 cm) Depth





Slow Close Valve Option is available on all models. Add suffix -SC and add $90.00 to list price.

AL5

A OUTLET SIDE		**B** INLET SIDE		PRV
Inlet Type 1) Storz Rigid 2) Storz Swivel 7) Male Rigid	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	Outlet Type 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) No 1) Yes

LDH Siamese Water Thief Suplied With Female 2.5" (64 mm) Inlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

3-WAY VALVED MANIFOLD

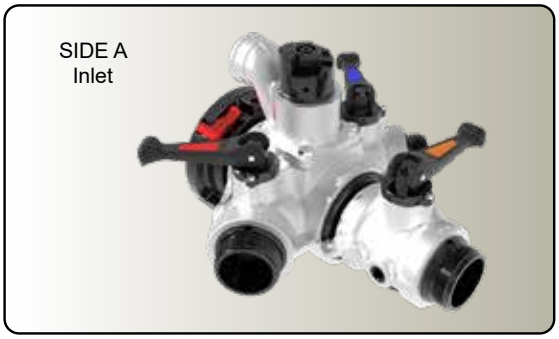
TFT's 3-Way Valved Manifold is a rugged manifold with three 2.5" (64 mm) valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is hardcoat anodized and silver TFT Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

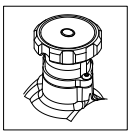
WITH OUT PRV
Dimensional Maximum

23.0 lbs (10.4 kg)
8.75" (22.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth

WITH PRV
Dimensional Maximum

25.0 lbs (11.3 kg)
11.50" (29.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth





Slow Close Valve Option is available on all models. Add suffix -SC and add $135.00 to list price.

AL3

A INLET SIDE		PRV
Inlet Type 1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug Swivel 5) Female Long Handle Swivel	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) No 1) Yes

3-Way Manifold Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

3-WAY SIAMESE MANIFOLD

TFT's 3-Way Valved Siamese Manifold is a rugged siamese manifold with three 2.5" (64 mm) valved inlet ports, each with a full 2.5" (65mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is hardcoat anodized and silver TFT Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

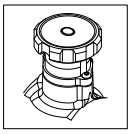
WITHOUT PRV
Dimensional Maximum

23.0 lbs (10.1 kg)
8.75" (22.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth

WITH PRV
Dimensional Maximum

25.0 lbs (11.3 kg)
11.50" (29.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth





Slow Close Valve Option is available on all models. Add suffix -SC and add $135.00 to list price.

AL7

A OUTLET SIDE		PRV
Outlet Type 1) Storz Rigid 2) Storz Swivel 7) Male Rigid	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) No 1) Yes

3-Way Siamese Manifold Supplied with 2.5" (64 mm) Female Inlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

4-WAY VALVED MANIFOLD

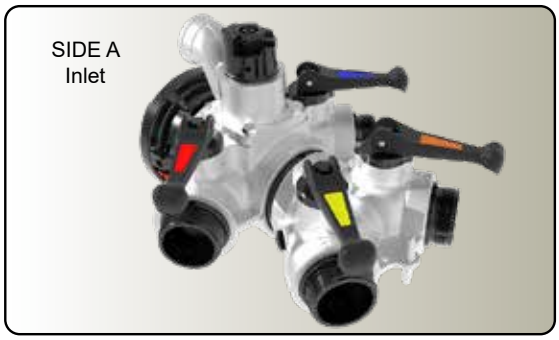
TFT's 4-Way Valved Manifold is a rugged manifold with four 2.5" (64 mm) valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is hardcoat anodized and silver TFT Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

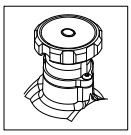
WITHOUT PRV
Dimensional Maximum

27.3 lbs (12.4 kg)
8.75" (22.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth

WITH PRV
Dimensional Maximum

30.0 lbs (13.6 kg)
11.50" (29.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth





Slow Close Valve Option is available on all models. Add suffix -SC and add $180.00 to list price.

AL4

A INLET SIDE		PRV
Inlet Type 1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug Swivel 5) Female Long Handle Swivel	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) No 1) Yes

4-Way Manifold Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

4-WAY VALVED SIAMESE

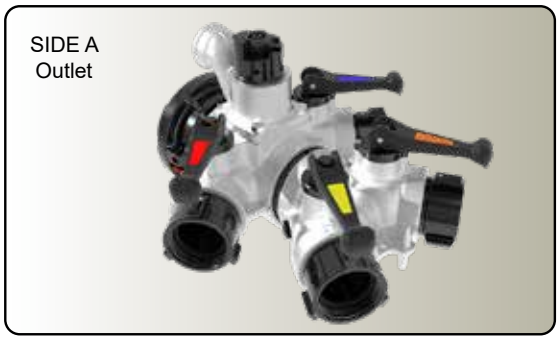
TFT's 4-Way Valved Siamese Manifold is a rugged siamese manifold with four 2.5" (64 mm) valved inlet ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is hardcoat anodized and silver TFT Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

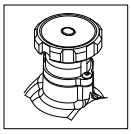
WITHOUT PRV
Dimensional Maximum

27.3 lbs (12.4 kg)
8.75" (22.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth

WITH PRV
Dimensional Maximum

30.0 lbs (13.6 kg)
11.50" (29.2 cm) Height
15.00" (38.1 cm) Width
17.50" (44.5 cm) Depth





Slow Close Valve Option is available on all models. Add suffix -SC and add $100.00 to list price.

AL8

A OUTLET SIDE		PRV
Outlet Type 1) Storz Rigid 2) Storz Swivel 7) Male Rigid	Size P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) No 1) Yes

4-Way Manifold Supplied with 2.5" (64 mm) Female Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

5-WAY VALVED MANIFOLD

The 5-Way Manifold is a compact, portable, low friction-loss valve that can be used in many water distribution applications. The hydraulically actuated slide valve combined with four of TFT's 2.5" (64 mm) quarter-turn ball valves with folding handles make for the ultimate in versatility. All four 2.5" (64 mm) valves can be used with or without the LDH valve being open. Valve seats are field replaceable, and quarter-turn color coded valve handles require low force to move, even under pressure. The automatic valve lock on the 2.5" (64 mm) valves maintain valve position while flowing at partial openings. Folding handles minimize required storage space. Device includes carrying handle, a pressure gauge and optional pressure relief valve (PRV). A polymer bearing ring helps prevent galvanic corrosion on LDH couplings. Storage bracket available.

WITHOUT PRV
Dimensional Maximum

48 lb (21.8 kg)
11.5" (29.2 cm) Height
17.5" (44.5 cm) Width
16.0" (40.6 cm) Depth



WITH PRV
Dimensional Maximum

51.1 lb (23.2 kg)
11.5" (29.2 cm) Height
17.5" (44.5 cm) Width
16.0" (40.6 cm) Depth

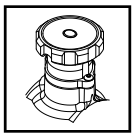
AL9

INLET SIDE A		OUTLET SIDE B		
TYPE	**SIZE**	**TYPE**	**SIZE**	**PRV**
1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug Full-time Swivel 4) Female Rocker Lug Non-Full-time Swivel	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) Storz Rigid 2) Storz Swivel 7) Male Rigid	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) NO 3) YES

5-Way Manifold Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.



Slow Close Valve Option is available on all models. Add suffix -SC and add $180.00 to list price.



- **Stainless Steel**
- **Mounts vertically or horizontally**

AU-BRACKET

5.5 lbs. (2.5kg)
12.5" W x 11.1" D x 1.0" H
(31.8 x 28.2 x 2.5 cm)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

LDH GATED WATER THIEF

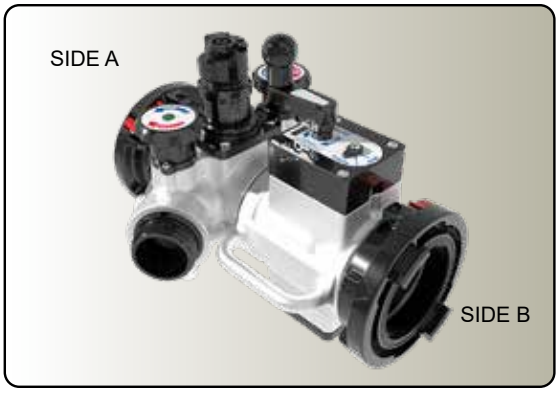
TFT's LDH Gated Water Thief is a rugged 3.65" (93 mm) LDH valve with two valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Slow close valves turn with low force even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Meets NFPA slow close requirements. Aluminum casting is hardcoat anodized and silver TFT powercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

WITH PRV
Dimensional Maximum

45.2 lbs (20.5 kg)
13.8"H x 15.0"W x 19.6"L
(35.0 x 38.1 x 49.8 cm)

WITHOUT PRV
Dimensional Maximum

42.1 lbs (19.1 kg)
13.4"H x 15.0"W x 19.6"L
(34.0 x 38.1 x 49.8 cm)



AL6

SIDE A		SIDE B			
TYPE	**SIZE**	**TYPE**	**SIZE**	**PRV**	**2.5" TYPE**
1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug Full-time Swivel 5) Female Long Handle Swivel	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) Storz Rigid 2) Storz Swivel 7) Male Rigid	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) NO 1) YES	M) NHM F) NHF

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

OASIS™ HYDRANT ASSIST

TFT's Oasis Hydrant Assist Valve is a versatile valve that can be used as a hydrant booster, as a gated wye, or for inline pumping during relay operations. In hydrant boosting operation, the valve is first connected to the hydrant and to the intake supply line on the first pumper. Inlet and outlet supply lines on a boost pumper are then connected to the valve to draw water directly from the hydrant connection and increase pressure/flow to the first pumper. A clapper valve with position indicator provides uninterrupted water flow to the fire when transitioning to boost mode, and in the event of boost pump failure. Two unique valve position indicators tell the operator if the ball and clapper valves are open or closed. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125 or 152 mm) hose. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized inside and out, and TFT powder coat finished on the outside..





- **Stainless Steel**
- **Mounts vertically or horizontally**

AR-BRACKET

5.5 lbs. (2.5 kg)
12.5" W x 11.1" D x 1.0" H
(31.8 x 28.2 x 2.5 cm)

Dimensional Maximum

32.7lbs (14.8 kg)
13.50" (34.3 cm) Height
16.50" (41.9 cm) Width
16.00" (40.6 cm) Depth

Conversions

N) 3.5" (89 mm)
P) 4" (102 mm)
R) 4.5" (114 mm)
T) 5" (127 mm)
X) 6" (152 mm)

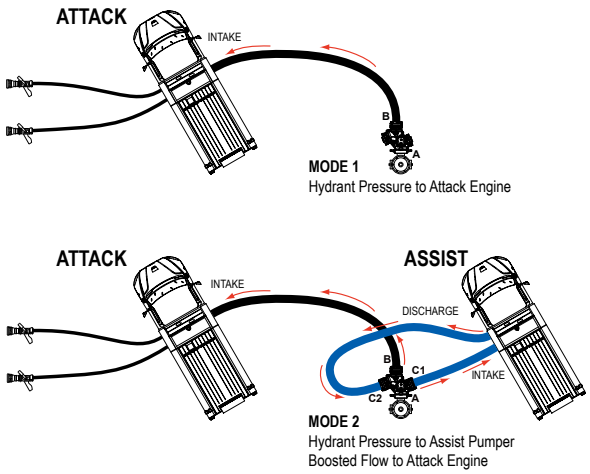
To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.

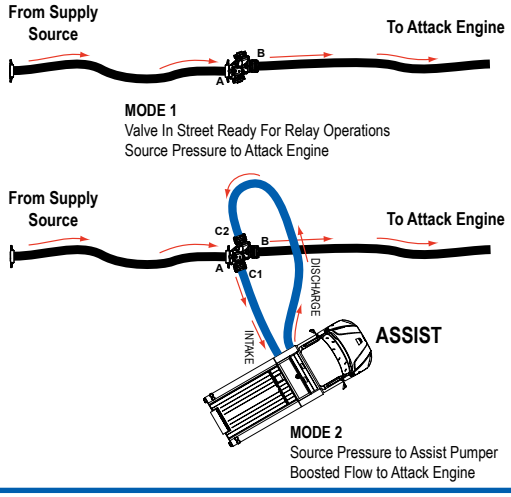
SIDE A	**SIDE A** INLET FROM HYDRANT		**SIDE B** OUTLET TO ATTACK		**SIDE C1** OUTLET TO BOOST		**SIDE C2** BOOSTED INLET	
Shut-off AR) No ARS) Yes	Style 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size N) 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size N) 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size N) 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size N) 3.5" P) 4" R) 4.5" T) 5" X) 6"

F = Female M = Male

Valve On Hydrant Used For Hydrant Boosting



Valve In Street Used For In-Line Relay Operations



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Boost Water Supply

The Oasis is the perfect choice for dramatic water supply improvements when used with poorly performing hydrants, long rural water delivery relays, or small diameter hose operations.

Water from Discharge of Boost Apparatus

Water to the Fire

Automatic clapper valve allows transfer from boosted to non-boosted without operator intervention.

Oasis Hydrant Assist Valve

More info at TFT.com/oasis

Water Supply Inlet

Oasis can be used as a hydrant shutoff valve with a simple field modification.

Water to Inlet of Boost Apparatus



Initial Attack Un-Boosted



Deliver water to attack apparatus at the fire scene.

Boost Pressure and Flow



Boost pressure and flow from the hydrant to attack apparatus.

In Relay Boost Pressure and Flow



Boost pressure and flow with a hose lay of 500 feet plus.

TFT.com

TASK FORCE TIPS®
FIRE FIGHTING EQUIPMENT

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

IN-LINE VALVE MOBILE/LOOSE or APPARATUS/FIXED

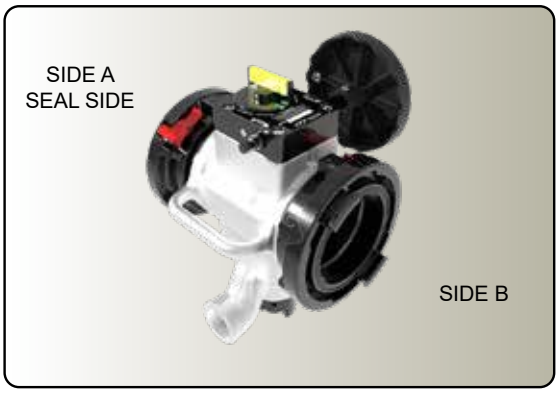
TFT's In-Line Valve is a multi-purpose valve designed for use with 3.5, 4, 4.5 or 5" (89, 102, 117, 127 or 152 mm) hose. Maximum operating pressure is 300 psi (21 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum casting are Hardcoat anodized, and Powder Coat finished inside and out for maximum corrosion protection. The valve meets NFPA slow close requirements. Optional adjustable pressure relief valve meets NFPA 1901. Optional rugged .75" (19 mm) air bleed valve quickly bleeds air from the lines or drains water from the valve housing. Contact TFT customer service for configurations not shown.

No PRV or Drain 01
Dimensional Maximum

17.35 lbs (7.9 kg)
9.20" (23.4 cm) Height
8.60" (21.8 cm) Width
10.10" (25.7 cm) Depth

With PRV & Drain 31
Dimensional Maximum

21.85 lbs (9.9 kg)
15.60" (23.4 cm) Height
8.60" (39.6 cm) Width
10.10" (25.7 cm) Depth



Full-time swivel inlet design makes these models ideal for use on the ground for water supply operations when the valve may need to be rotated easily after tightening. Side A Choices: 2, 3 or 5

Non-full-time swivel inlet design makes these models ideal for use on apparatus or fixed systems when the valve needs to retain its position after tightening. Side A Choices: 4 or 6

AN

SIDE A		SIDE B		
Side A Type	Size	Side B Type	Size	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	01) Standard Grearbox
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	31) Standard Gearbox, PRV & Drain
3) F Rocker Lug Swivel	T) 5 "(127 mm)	3) F Rocker Lug Swivel	T) 5" (127 mm)	
4) F Rocker Lug Non-Full-time Swivel	X) 6" (152 mm)	5) F Long Handle Swivel		
5) F Long Handle Swivel		7) Male Rigid		
6) F Long Handle Non-Full-time Swivel				
7) Male Rigid				

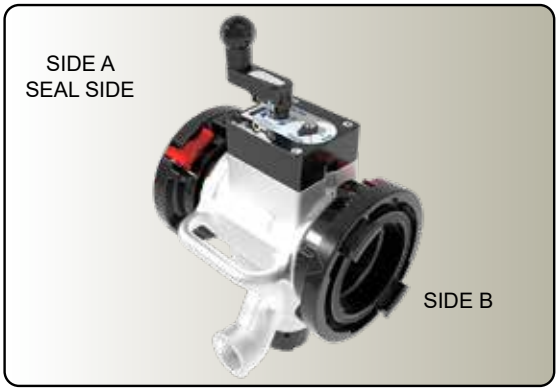
F = Female

No PRV or Drain 02
Dimensional Maximum

23.0 lbs (10.4 kg)
13.80" (35.1 cm) Height
8.60" (21.8 cm) Width
10.10" (25.7 cm) Depth

With PRV & Drain 32
Dimensional Maximum

23.35 lbs (10.6 kg)
17.60" (44.7 cm) Height
8.60" (21.8 cm) Width
10.10" (25.7 cm) Depth



Full-time swiveling inlet design makes these models ideal for use on the ground for water supply operations when the valve may need to be rotated easily after tightening. Side A Choices: 2, 3 or 5

Non-full-time swivel inlet design makes these models ideal for use on apparatus or fixed systems when the valve needs to retain its position after tightening. Side A Choices: 4 or 6

AN

SIDE A		SIDE B		
Side A Type	Size	Side B Type	Size	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	02) Parallel Shaft Drive Grearbox
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	32) Parallel Shaft Drive Grearbox, PRV & Drain
3) F Rocker Lug Swivel	T) 5" (127 mm)	3) F Rocker Lug Swivel	T) 5" (127 mm)	
4) F Rocker Lug Non-Full-time Swivel	X) 6" (152 mm)	5) F Long Handle Swivel		
5) F Long Handle Swivel		7) Male Rigid		
6) F Long Handle Non-Full-time Swivel				
7) Male Rigid				

F = Female

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

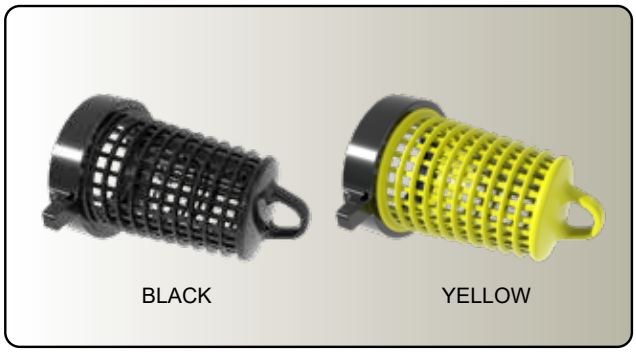
SUCTION BARREL STRAINER

JUMBO BARREL STRAINER - Heavy duty barrel strainer gives maximum flow capability. The impact resistant polymer won't dent when dropped and won't corrode even in contaminated water. The wavy straining pattern resists debris sucking flat against the holes. 240 holes total 48 square inches of flow area. An oversize loop makes tying off the strainer easy. The coupling is made from hard anodized aluminum and rotates easily on a polymer bearing ring.

DIMENSIONAL MAXIMUM

4.0 lb (1.8g)
12.00" (30.5 cm) Length
8" (20.3 cm) Diameter

*** Coupling = SP =**



COUPLING

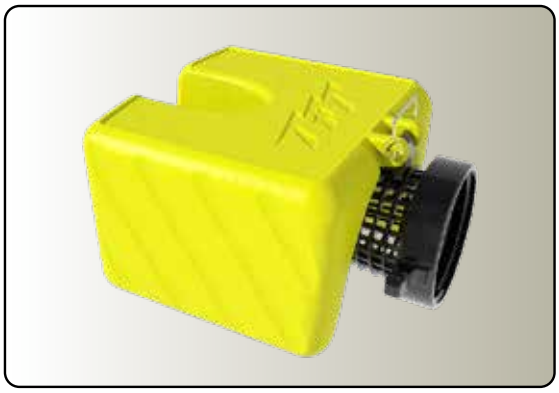
A02		
	NJ) 2.5" NH (64 mm) Swivel Female Rocker Lug NP) 4.0" NH (102 mm) Swivel Female Rocker Lug HNT) 5.0" NH (127 mm) Swivel Female Long Handle HNX) 6.0" NH (152 mm) Swivel Female Long Handle SP) 4.0" (102 mm) Swivel Storz*	-Y) Barrel Color Yellow (omit for standard Black)

FLOATING BARREL STRAINER

The Floating Barrel Strainer includes an integrated detachable float that is compact, and both float and strainer are constructed of rugged, corrosion proof, hi-tech polymers. The flow efficient design permits high flows and can be used in open bodies of water or portable tanks. The swivel inlet allows quick and easy installation to suction hose.

DIMENSIONAL MAXIMUM

9.2 lb (4.3 kg)
21.3" (51.4 cm) Length
14.9" (37.8 cm) Width
10.5" (26.7 cm) Height



- **Extremely Lightweight** – Float and strainer basket made from corrosion proof hi-tech polymers.
- **Easily Detachable Float** – Quick conversion to simple barrel strainer
- **Compact** – Stores in small space
- **Flow Efficient Design** – Permits high flows
- **Versatile** – Can be used in open bodies of water, or portable tanks
- **Swivel Inlet Fitting** – Quick and easy installation to suction hose
- **Low-riding Barrel** – Reduces risk of roll-over

COUPLING

A06	
	HNT) 5.0"NHF (127 mm) Swivel Female Long Handle HNX) 6.0"NHF (152 mm) Swivel Female Long Handle NJ) 2.5" NHF (64 mm) Swivel Female Rocker Lug NP) 4.0" NHF (102 mm) Swivel Female Rocker Lug SL) 3.0" (76 mm) Swivel Storz SP) 4.0" (102 mm) Swivel Storz ST) 5.0" (127 mm) Swivel Storz SX) 6.0" (152 mm) Swivel Storz+

+ All 6" Storz couplings have an adjustable seal compression feature.

LOW LEVEL SUCTION STRAINER

High volume low-level strainer is made of hard anodized and powder-coated aluminum. Clog-resistant stainless steel filter has over twice as much flow area as a 6" (152 mm) hose. This keeps friction loss down to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortexes to form as water sinks towards the 2.5" (64 mm) minimum usable depth. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Optional Jet Siphon with 1.5" (38 mm) female hose thread substantially increases suction lift capability and is also useful for tank transfer, pump priming and dewatering with no need for a trash pump.

DIMENSIONAL MAXIMUM

22.7 lb (10.9 kg)
12.1" (30.7 cm) Height
14.9" (37.8 cm) Width
21.7" (55.1 cm) Depth



LOW-LEVEL STRAINER NO JET SIPHON

+ All 6" Storz couplings have an adjustable seal compression feature.

	COUPLING	OPTIONAL
A03		
	NP) 4.0" (102 mm) Swivel Female Rocker Lug HNR) 4.5" (114 mm) Swivel Female Long Handle HNT) 5.0" (127 mm) Swivel Female Long Handle HNX) 6.0" (152 mm) NH Swivel Female Long Handle SP) 4.0" (100 mm) Swivel Storz ST) 5.0" (127 mm) Swivel Storz SX) 6.0" (152 mm) Swivel Storz+	-F) Floating (omit for non-floating)

FLOATING LOW LEVEL STRAINER

Flotation device allows TFT high volume low-level strainer to collect clean water from ponds, lakes and rivers. The strainer inlet, made of hard anodized and powder-coated aluminum, hangs 18" (45.7 cm) below water level to avoid sucking surface air and bottom debris. Capable of supporting up to 30 ft (9 m) of hose, the strainer extends well beyond safety ledges of residential ponds. The clog-resistant stainless steel filter has over twice as much flow area as a 6" (152 mm) hose. This keeps friction loss down to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortexes to form. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Rugged polyethylene float is yellow for high visibility and nests compactly over the strainer for minimal storage space. Float removal is not necessary for low level use, although a tethered latching hinge pin allows the float to be removed or installed instantly if desired.

DIMENSIONAL MAXIMUM

32.0 lb (13.9 kg)
12.9" (32.8 cm) Height
14.9" (37.8 cm) Width
22.0" (55.9 cm) Depth



A03HNX-F

Shown with 6" (152 mm) threaded coupling and float in operational position.



A03HNX-F

Shown with 6" (152 mm) threaded coupling and float in storage position.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

LOW LEVEL SUCTION STRAINER JET SIPHON

High volume low-level strainer is made of hard anodized and powder-coated aluminum. Clog-resistant stainless steel filter has over twice as much flow area as a 6" (152 mm) hose. This keeps friction loss down to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortexes to form as water sinks towards the 2.5" (64 mm) minimum usable depth. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Optional Jet Siphon with 1.5" (38 mm) female hose thread substantially increases suction lift capability and is also useful for tank transfer, pump priming and dewatering with no need for a trash pump.

DIMENSIONAL MAXIMUM

23.4 lb (10.6 kg)
12.1" (30.7 cm) Height
14.9" (37.8 cm) Width
26.6" (67.6 cm) Depth



LOW-LEVEL STRAINER JET SIPHON

1.5" (38 mm) Female Pivoting Inlet

+ All 6" Storz couplings have an adjustable seal compression feature.

	COUPLING		OPTIONAL
A03		**-JET**	
	NP) 4.0" (102 mm) Swivel Female Rocker Lug HNR) 4.5" (114 mm) Swivel Female Rocker Lug HNT) 5.0" (127 mm) Swivel Female Long Handle HNX) 6.0" NH (152 mm) Swivel Female Long Handle SP) 4.0" (102 mm) Swivel Storz ST) 5.0" (127 mm) Swivel Storz SX) 6.0" (152 mm) Swivel Storz+		-F) Floating (omit for non-floating)

FLOATING LOW LEVEL STRAINER JET SIPHON

Flotation device allows TFT high volume low-level strainer to collect clean water from ponds, lakes and rivers. The strainer inlet, made of hard anodized and powder-coated aluminum, hangs 18" (45.7 cm) below water level to avoid sucking surface air and bottom debris. Capable of supporting up to 30 ft (9 m) of hose, the strainer extends well beyond safety ledges of residential ponds. The clog-resistant stainless steel filter has over twice as much flow area as a 6" hose. This keeps friction loss down to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortexes to form. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Jet Siphon substantially increases suction lift capability and is also useful for tank shuttle, pump priming and dewatering with no need for a trash pump. Jet Siphon has 1.5" (38 mm) female hose threaded coupling that pivots freely in any direction to avoid hose kinks. Rugged polyethylene float is yellow for high visibility and nests compactly over the strainer for minimal storage space. Float removal is not necessary for low level use, although a tethered latching hinge pin allows the float to be removed or installed instantly if desired.

DIMENSIONAL MAXIMUM

33.2 lb (15.1 kg)
12.9" (32.8 cm) Height
14.9" (37.8 cm) Width
27.1" (68.8 cm) Depth



A03HNX-JET-F

Shown with 6" (152 mm) threaded coupling and float in operational position.



A03HNX-JET-F

Shown with 6" (152 mm) threaded coupling and float in storage position.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

OEM Installed Products Table of Contents

The BLUE category includes apparatus manufacturer installed products that typically require plumbing and electrical installation, or are related items. This category includes manual and remote control master stream nozzles, Extend-A-Guns, manual and remote control monitors, remote control intake and in-line valves and accessories.



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VUM Series 194-201

BIV REMOTE CONTROL
RC BIV Series. 202-207

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

PRESSURE RELIEF VALVES

A18 Series - TFT's PRV (pressure relief valve) operates in an adjustment range from 90 to 300 psi (6 to 21 bar) with easy to see increments of 90, 125, 150, 200, 250, and 300 psi (6, 9, 10, 14, 17 and 21 bar). Each pressure relief valve includes an OFF position. The pressure relief valve meets NFPA 1901 PRV requirements. The aluminum casting is hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. For direct use on pump flanges, the TFT pressure relief valve works with Darley, Waterous, or Hale bolt hole patterns. Relief valves are available with 2" (51 mm) male pipe thread, 2.5" male NH (64 mm) thread, or 2.5" (64 mm) Victaulic® connection on the discharge spout. Available adapters include 2.5" (64 mm) and 3" (76 mm) NPT male and female threaded inlets for mounting the TFT pressure relief valve to plumbing. All A18 Series PRV's come standard with an intergated galvanic isolator for maximum corrosion resistance.


A1810


A1820


A1830


A1831


A1840


A1850


A1860

PART NUMBER	MODEL	DISCHARGE	HEIGHT / WIDTH / DEPTH	WEIGHT	LIST PRICE
A1810	Waterous/Hale	Plain	5.4 x 4.2 x 6.4 in (13.7 x 10.7 x 16.3 cm)	3.0 lb (1.4 kg)	
A1820	Waterous/Hale	2" (51 mm) Male Pipe (NPT)	5.4 x 4.2 x 6.3 in (13.7 x 10.7 x 16.0 cm)	3.0 lb (1.4 kg)	
A1830	Darley	Plain	5.4 x 4.2 x 6.4 in (13.7 x 10.7 x 16.3 cm)	3.0 lb (1.4 kg)	
A1831	Waterous/Hale	2.5" (64 mm) Male Pipe (NPT)	5.4 x 4.2 x 8.0 in (11.4 x 11.4 x 16.5 cm)	3.0 lb (1.4 kg)	
A1840	Darley	2" (51 mm) Male Pipe (NPT)	4.5 x 4.5 x 6.5 in (13.7 x 10.7 x 16.0 cm)	3.5 lb (1.6 kg)	
A1850	Waterous/Hale	2.5" (64 mm) Victaulic Connection	5.4 x 4.2 x 7.5 in (13.7 x 10.7 x 19.1 cm)	3.5 lb (1.6 kg)	
A1860	Waterous/Hale	2.5" (64 mm) NH Male	5.4 x 4.2 x 8.0 in (13.7 x 10.7 x 20.3 cm)	3.9 lb (1.8 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

PRESSURE RELIEF VALVES

A18 Series - TFT's PRV (pressure relief valve) operates in an adjustment range from 90 to 300 psi (6 to 21 bar) with easy to see increments of 90, 125, 150, 200, 250, and 300 psi (6, 9, 10, 14, 17 and 21 bar). Each pressure relief valve includes an OFF position. The pressure relief valve meets NFPA 1901 PRV requirements. The aluminum casting is hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. For direct use on pump flanges, the TFT pressure relief valve works with Darley, Waterous, or Hale bolt hole patterns. Relief valves are available with 2" (51 mm) male pipe thread, 2.5" male NH (64 mm) thread, or 2.5" (64 mm) Victaulic® connection on the discharge spout. Available adapters include 2.5" (64 mm) and 3" (76 mm) NPT male and female threaded inlets for mounting the TFT pressure relief valve to plumbing. All A18 Series PRV's come standard with an intergated galvanic isolator for maximum corrosion resistance.



A1811 - A1812
A1813 - A1814



A1821 - A1822
A1823 - A1824



A1856 - A1857
A1858 - A1859



A1866 - A1867
A1868 - A1869

PART NUMBER	NATIONAL PIPE THREAD INLET	DISCHARGE	HEIGHT / WIDTH / DEPTH	WEIGHT	LIST PRICE
A1811	2.5" (64 mm) Male Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	
A1812	2.5" (64 mm) Female Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	
A1813	3.0" (76 mm) Male Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	
A1814	3.0" (76 mm) Male Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	
A1821	2.5" (64 mm) Male Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1822	2.5" (64 mm) Female Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1823	3.0" (76 mm) Male Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1824	3.0" (76 mm) Male Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1856	2.5" (64 mm) Male Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1857	2.5" (64 mm) Female Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1858	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1859	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	
A1866	2.5" (64 mm) Male Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	
A1867	2.5" (64 mm) Female Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	
A1868	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	
A1869	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONITOR NOZZLE SELECTION MATRIX



EF1 RC



Tornado RC

• EF1 RC 1.5" • Tornado 1.5" • Tornado RC 1.5"

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Bubble Cup ER Dual Gallonage (EF1 Only)	20 & 60 or 20 & 95 GPM @ 100 psi	E	Dual flow for various attack options	Includes shut-off; Aspirates foam	Low flow options for improved water management	P, W
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		P, W
Metro 1 Fixed Gallonage	Various	M, E	Single Flow/ Pressure	Available with fixed or spinning teeth		P, W
Ultimatic Selectable Gallonage	15-120 GPM @ 100 psi	E	Selectable at the nozzle		Low flow options for improved water management	P, W
Ultimatic Automatic	10-125 GPM @ 100 psi; 10-100 GPM @ 75, 120, or 150 psi	M, E	Best choice when using gateable valve/joystick	Match with pump flow/pressure capabilities	Low flow options for improved water management	P, W
Mid-Matic Automatic	70-200 GPM @100 psi	M, E	Best choice when using gateable valve/joystick	For higher capacity pumps and tanks		P, W
Mid-Force Automatic	70-200 GPM @ 100 & 55 or 75 & 45 psi	M, E	Best choice when using gateable valve/joystick	For higher capacity pumps and tanks	Pressure control for improved performance	P, W
CAFS-Force 1 Dual Pressure Automatic	70-200 GPM @ 75 & 45 psi	M, E	Best choice for CAFS (Compressed Air Foam Systems)		Pressure control for adjusting foam qualities	P, W

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MONITOR NOZZLE SELECTION MATRIX



Tornado RC

• Tornado 2.5" • Tornado RC 2.5"

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		P, W
Vortex 2	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		P, W
Max-Force Dual Pressure Automatic	100-500 GPM @ 100 & 55 psi	M, E	Good choice for CAFS (Compressed Air Foam System)	For higher capacity pumps and tanks	Pressure control for improved performance	P, W
Max-Matic Automatic	100-500 GPM @ 100 or 80 psi	M,E	Best choice when using gateable valve/joystick		Low flow options for improved water management	P, W
Max-Flow Fixed	500 GPM @ 100 psi	M, E	For higher capacity tanks and pumps			P, W

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONITOR NOZZLE SELECTION MATRIX



Crossfire



Hurricane RC



Monsoon RC

• Crossfire • Hurricane • Hurricane RC • Monsoon 1250 • Monsoon 1250 RC

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Single flow/ pressure with each tip size	Best choice for CAFS (Compressed Air Foam Systems)		A, P, W
Vortex 2	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		A, P, W
Max-Force Dual Pressure Automatic	100-500 GPM @ 100 & 55 psi	M, E	Good choice for CAFS (Compressed Air Foam System)	For higher capacity pumps and tanks	Pressure control for improved performance	P, W
Max-Matic Automatic	100-500 GPM @ 100 or 80 psi	M, E	For higher capacity pumps and tanks			P, W
Max-Flow Fixed Gallonage	500 GPM @ 100 psi	M, E	Single Flow/ Pressure	For higher capacity pumps and tanks		P, W
Master Stream Automatic	150-1000 GPM @ 100 psi; 150-1250 GPM @ 100 psi	M, E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	Models available with flush without shutting down. Models available with adjustable pressure.	A, P
Master Stream Selectable Gallonage	250, 350, 500, 750, & 1000 GPM @ 100 psi; 500, 750, 1000 & 1250 GPM @ 100 psi	M, E (E 250-1000 only)	Selectable Gallonage	Adjustable pattern from straight stream to full fog	Models available with flush without shutting down	A, P
Master Stream Fixed Gallonage	Up to 1000 GPM @ 100 psi; up to 1250 GPM @ 100 psi	M, E	Fixed flow, user specified	Adjustable pattern from straight stream to full fog	Models available with flush without shutting down	A, P

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MONITOR NOZZLE SELECTION MATRIX



Typhoon RC



Monsoon RC



Tsunami RC

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
• Typhoon • Typhoon RC						
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		A, P
Vortex 3	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		A, P
Master Stream Automatic	300-1500 GPM @ 100 psi	M, E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	User adjustable nozzle pressure	A, P
• Monsoon 2000 • Monsoon 2000 RC						
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		A, P
Vortex 3	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		A, P
Master Stream Automatic	300-2000 GPM @ 100 psi	M, E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	User adjustable nozzle pressure	A, P
• Tsunami • Tsunami RC						
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		P
Vortex 6	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern			P
Master Stream Automatic	600 to 4000 GPM @ 80-120 psi	E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	User adjustable nozzle pressure	P
Master Stream Selectable	2000 & 4000 GPM @100 psi	E	Dual gallonage	Adjustable pattern from straight stream to full fog		P

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

ELECTRIC REMOTE NOZZLES

Electrically operated pattern control for use on remote applications. The rugged, aluminum drive is totally enclosed and waterproof. The 12 to 24 volt drive unit draws 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a 120° wide fog. The nozzle can flush 3/8" (9.5 mm) debris without shutting down. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut-off.

When ordering a nozzle for use on TFT RC monitors, order plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially at FOG position. Nozzles equipped with a FLUSH position are programmed to stop and pause at full FOG position when moving towards the FLUSH position, preventing excessive water flow. A second press of the button will cause the nozzle shaper to continue to move to flush position for removing debris from nozzle. Delivered with a waterproof plug connection for seamless integration with TFT's Tornado and EF1 RC monitors.

ULTIMATIC™ 10-125 GPM (40-500 l/min) Automatic



- **For use on TFT Tornado RC and EF1 RC monitor only**
- **Flush without shutting down**
- **Molded rubber for teeth with full fill power fog**
- **Accepts both FJ-U low-expansion and FJ-UMX FOAMJET multi-expansion foam attachments**

CE

MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
B-TO-ERP	1.5" NH (38 mm)	10-125 gpm (40-500 l/min)	100 psi (7 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	
BL-TO-ERP	1.5" NH (38 mm)	10-100 gpm. (40-380 l/min)	75 psi (5 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	
B-TO-ER	1.5" NH (38 mm)	10-125 gpm (40-500 l/min)	100 psi (7 bar)	NO	10.25" (26.0 cm)	6.4 lb (2.9 kg)	
B-TO-ERP-120	1.5" NH (38 mm)	10-100 gpm (40-380 l/min)	120 psi (8 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	
B-TO-ERP-150	1.5" NH (38 mm)	10-100 gpm (40-380 l/min)	150 psi (10 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	

ULTIMATIC™ 15-120 GPM (50-450 l/min) Selectable



- **For use on TFT Tornado RC and EF1 RC monitor only**
- **Flush without shutting down**
- **Molded rubber for teeth with full fill power fog**
- **Accepts both FJ-U low-expansion and FJ-UMX FOAMJET multi-expansion foam attachments**

CE

MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
B-TOS-ERP	1.5" NH (38 mm)	15-120 gpm (60-450 l/min)	100 psi (7 bar)	YES	9.9" (25.1 cm)	6.0 lb (2.7 kg)	
B-TOS-ER	1.5" NH (38 mm)	15-120 gpm (60-450 l/min)	100 psi (7 bar)	NO	9.9" (25.1 cm)	6.0 lb (2.7 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

ELECTRIC REMOTE NOZZLES

MID-MATIC™ 70 - 200 GPM (260-760 l/min) Automatic



- For use on TFT Tornado RC and EF1 RC monitor only
- Flush without shutting down
- Molded rubber for teeth with full fill power fog
- Accepts both FJ-HM low-expansion and FJ-HM FOAMJET multi-expansion foam attachments

CE

MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
HM-TO-ERP	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100 psi (7 bar)	YES	9.7" (24.6 cm)	6.5 lb (2.9 kg)	
HM-TO-ER	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100 psi (7 bar)	NO	9.7" (24.6 cm)	6.5 lb (2.9 kg)	

MID-FORCE™ 70 - 200 GPM (260-760 l/min) Dual Pressure Automatic



- For use on TFT Tornado RC and EF1 RC monitor only
- Flush without shutting down
- Molded rubber for teeth with full fill power fog
- Accepts both FJ-LX-HM low-expansion and FJ-MX-HM FOAMJET multi-expansion foam attachments

CE

MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
HMD-TO-ERP	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100/75 psi (7/5 bar)	YES	9.7" (24.6 cm)	6.5 lb (2.9 kg)	
HMD-TO-ER	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100/75 psi (7/5 bar)	NO	9.7" (24.6 cm)	6.5 lb (2.9 kg)	

BUBBLE CUP™ Dual Gallonage Foam Aspirating



- For use on TFT EF1 RC monitor only
- Integrated nozzle shut-off
- Quick change between low/high flow and straight stream and wide fog
- Integrated retractable Bubble Cup aspirating sleeve

CE

MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
F2060BCER	1.5" NH (38 mm)	20 and 60 gpm (75 and 230 l/min)	100 psi (7 bar)	YES	11.4" (29.0 cm)	5.7 lb (2.6 kg)	
F2095BCER	1.5" NH (38 mm)	20 and 95 gpm (75 and 360 l/min)	100 psi (7 bar)	YES	11.4" (29.0 cm)	5.7 lb (2.6 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

ELECTRIC REMOTE NOZZLES

CAFS-FORCE™ 1 Automatic



For use on TFT Tornado RC and EF1 RC monitor only

- Flush without shutting down
- Molded rubber for teeth with full fill power fog
- Switches from low pressure water to CAFS mode.

CE

MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
HMDC-TO-ERP	1.5" NH (38 mm)	70-200 gpm (264-757 l/min)	75/45 psi (5/3 bar)	YES	10.7" (27.2 cm)	6.9 lb (3.1 kg)	

METRO 1™



For use on TFT Tornado RC and EF1 RC monitor only

- Choose flow and pressure from matrix below
- Flush without shutting down
- Molded rubber for teeth or stainless steel spinning teeth
- Accepts both FJ-LX-HM low expansion and FJ-MX-HM FOAMJET multi-expansion foam attachments

SERIES	INLET	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
ME1TOERP***	1.5" NH (38 mm)	YES	9.5" (24.1 cm)	6.5 lb (2.9 kg)	
ME1TOE***	1.5" NH (38 mm)	NO	9.5" (24.1 cm)	6.5 lb (2.9 kg)	
ME1TOSERP***	1.5" NH (38 mm)	YES	9.5" (24.1 cm)	6.5 lb (2.9 kg)	
ME1TOSE***	1.5" NH (38 mm)	NO	9.5" (24.1 cm)	6.5 lb (2.9 kg)	

METRO 1 ER NO PLUG

M	E	1	T	O	E	-	A	B	C

METRO 1 ER W/PLUG

M	E	1	T	O	E	R	P	-	A	B	C

METRO 1 ER NO PLUG SPINNING TEETH

M	E	1	T	O	S	E	-	A	B	C

METRO 1 ER W/PLUG SPINNING TEETH

M	E	1	T	O	S	E	R	P	A	B	C

CE

METRO 1 ER ONLY — ORDERING MATRIX

A	B	C	GPM	PSI	LPM	BAR	K
1	3	4	95	50	360	3	13.4
1	7	7	125	50	473	3	17.7
2	1	2	150	50	568	3	21.2
2	2	6	160	50	606	3	22.6
2	4	7	175	50	662	3	24.7
2	6	2	185	50	700	3	26.2
2	8	3	200	50	757	3	28.3
0	6	9	60	75	227	5	6.9
1	4	4	125	75	473	5	14.4

A	B	C	GPM	PSI	LPM	BAR	K
1	7	3	150	75	568	5	17.3
2	0	2	175	75	662	5	20.2
2	1	4	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
0	6	0	60	100	227	7	6.0
0	9	5	95	100	360	7	9.5
1	2	5	125	100	473	7	12.5
1	5	0	150	100	568	7	15.0
1	7	5	175	100	662	7	17.5

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MAX-SERIES NOZZLES

For use on TFT Tornado RC, Hurricane RC, and Monsoon 1250 RC.

MAX-FORCE™ 100 - 500 GPM (400-2000 l/min) Dual Pressure Automatic



MD-ERP-***
MD-ER-***

- Dual pressure control 100/55 psi (7/5 bar) nozzle
- 2.5" NH (64 mm) swivel rocker lug coupling is standard
- Molded rubber for teeth with full fill power fog
- Accepts FJ-MX-MD multi-expansion foam attachment

10.2 lbs (4.6 kg)
10.2" (25.9 cm)

CE

MAX-MATIC™ 100 - 500 GPM (400-2000 l/min) Automatic



MD-ERP-***
MD-ER-***

- Standard 100 psi (7 bar) nozzle
- 2.5" NH (64 mm) swivel rocker lug coupling is standard
- Molded rubber for teeth with full fill power fog
- Accepts FJ-MX-MD multi-expansion foam attachment

10.0 lbs (4.5 kg)
10.2" (25.9 cm)

CE

MAX-FLOW™ 500 GPM (2000 l/min) Fixed Gallonage



MD-ERP-***
MD-ER-***

- Standard 100 psi (7 bar) nozzle operates on pressures as low as 30 psi (2 bar)
- 2.5" NH (64 mm) swivel rocker lug coupling is standard
- Molded rubber for teeth with full fill power fog
- Accepts FJ-MX-MD multi-expansion foam attachment

10.0 lbs (4.5 kg)
10.2" (25.9 cm)

CE

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Tornado RC, Hurricane RC, or Monsoon 1250 RC Monitor.

MD-ERP

For TFT RC Monitor Only

		A
2.5" (64 mm) INLET (Swivel)	**PRESSURE FLOW OPTIONS**	
1) NH FEMALE	2 = Dual Pressure 55/100 PSI (5/7 bar)	
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)	
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)	
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)	

MD-ER

With 6 ft (2 m) of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

		A
2.5" (64 mm) INLET (Swivel)	**PRESSURE FLOW OPTIONS**	
1) NH FEMALE	2 = Dual Pressure 55/100 PSI (5/7 bar)	
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)	
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)	
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1000 SERIES

150-1000 GPM (600-3800 LPM)

For use on TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors the TFT Master Stream 1000 series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Models are available with either automatic pressure control, five selectable gallonage settings, or a factory preset fixed orifice. All Master Stream 1000 series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

Automatic



- 150-1000 gpm (600-3800 l/min)
- Variable from straight stream to wide fog
- Halo ring for pattern control
- Molded rubber for teeth with full fill power fog

Selectable



- Five flow selections
- Nozzle must be shut down to change settings
- Rotate outer baffle to desired flow setting
- Variable from straight stream to wide fog
- Halo ring for pattern control
- Molded rubber for teeth with full fill power fog

Fixed



- Factory preset fixed constant flow & pressure engraved on the baffle
- Variable from straight stream to wide fog
- Halo ring for pattern control
- Molded rubber for teeth with full fill power fog

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1000-NJ	2.5" NH (64 mm)	AUTOMATIC	150-1000 gpm (600-3800 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	
M-R1000-NL	3.0" NH (76 mm)	AUTOMATIC	150-1000 gpm (600-3800 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	
M-R1000-NN	3.5" NH (89 mm)	AUTOMATIC	150-1000 gpm (600-3800 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	
M-RS1000-NJ	2.5" NH (64 mm)	SELECTABLE	250, 350, 500, 750, and 1000 gpm (950, 1300, 2000, 3000 and 4000 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	
M-RS1000-NL	3.0" NH (76 mm)	SELECTABLE		100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	
M-RS1000-NN	3.5" NH (89 mm)	SELECTABLE		100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	
M-RF1000-NJ	2.5" NH (64 mm)	FIXED	Factory preset at the customer's specified K-factor 50 to 105 max Must specify flow and pressure at time of order.		10.0" (25.4 cm)	8.3 lb (3.8 kg)	
M-RF1000-NL	3.0" NH (76 mm)	FIXED			10.0" (25.4 cm)	8.3 lb (3.8 kg)	
M-RF1000-NN	3.5" NH (89 mm)	FIXED			10.0" (25.4 cm)	8.3 lb (3.8 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1250S SERIES

150-1250 GPM (600-4500 l/min) Small Body

The TFT Master Stream 1250S series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. All Master Stream 1250S series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

AUTOMATIC



- For use on TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- Continuously variable from straight stream to wide fog
- Molded rubber for teeth with full fill power fog
- Halo ring for pattern control
- Accepts FJ-LX-M Low-Expansion foam attachment

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1250S-NJ	2.5" NH (64 mm)	AUTOMATIC	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	10.4 lb (4.7 kg)	
M-R1250S-NL	3.0" NH (76 mm)	AUTOMATIC	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	10.4 lb (4.7 kg	
M-R1250S-NN	3.5" NH (89 mm)	AUTOMATIC	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	10.4 lb (4.7 kg	

MASTER STREAM 1250 SERIES

300-1250 GPM (1100-4500 l/min) Large Body

The Master Stream 1250 has the ability to produce an excellent hard-hitting stream at any volume from 300 to 1250 gpm (1100 - 4500 l/min). It is adjustable from a straight stream to a dense fog pattern. This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 1250 gpm (1100 - 4500 l/min) is necessary or desired.

AUTOMATIC



- For use on TFT Hurricane, Typhoon, and Monsoon monitors
- Continuously variable from straight stream to wide fog
- Molded rubber for teeth with full fill power fog
- Halo ring for pattern control

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1250-NJ	2.5" NH (64 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.9" (32.8 cm)	13.6 lb (6.2 kg)	
M-R1250-NL	3.0" NH (76 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.9" (32.8 cm)	14.1 lb (6.4 kg)	
M-R1250-NN	3.5" NH (89 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	14.3 lb (6.5 kg)	
M-R1250-NP	4.0" NH (102 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.4" (32.8 cm)	18.2 lb (8.3 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1000 SERIES ELECTRIC REMOTE

150-1000 GPM (600-3800 LPM)

The TFT Master Stream 1000 series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Models are available with either automatic pressure control, five selectable gallonage settings, or a factory ordered fixed orifice. All Master Stream series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane RC, Typhoon RC and Monsoon RC monitors.

FIXED



- **For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors**
- **Continuously variable from straight stream to wide fog**
- **Molded rubber for teeth with full fill power fog**
- **Accepts FJ-LX-M Low Expansion foam attachment**

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
MERFP1000-NJ	2.5" NH (64 mm)	YES	Factory preset at customer's specified K-factor 50 to 105 MAX. Must specify flow and pressure at time of order.		12.0" (30.5 cm)	12.5 lb (5.7 kg)	
MERFP1000-NN	3.5" NH (90 mm)	YES			12.0" (30.5 cm)	14.9 lb (6.8 kg)	
M-ERF1000-NJ	2.5" NH (64 mm)	NO	Factory preset at customer's specified K-factor 50 to 105 MAX Must specify flow and pressure at time of order.		12.0" (30.5 cm)	12.6 lb (5.7 kg)	

SELECTABLE



- **For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors**
- **Continuously variable from straight stream to wide fog**
- **Molded rubber for teeth with full fill power fog**
- **Accepts FJ-LX-M Low Expansion foam attachment**

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
MERSP1000-NJ	2.5" NH (64 mm)	YES	250, 350, 500, 750, and 1000 gpm (950, 1300, 1900, 3000 and 3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
MERSP1000-NN	3.5" NH (90 mm)	YES		100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ERS1000-NJ	2.5" NH (64 mm)	NO	250, 350, 500, 750, and 1000 gpm (950, 1300, 1900, 3000 and 3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1000 SERIES

150-1000 gpm (570-3800 l/min)

The TFT Master Stream 1000 series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Models are available with either automatic pressure control, five selectable gallonage settings, or a factory ordered fixed orifice. All Master Stream series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

AUTOMATIC



- For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Continuously variable from straight stream to wide fog
- Molded rubber for teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-ERP1000-NJ	2.5" NH (64 mm)	YES	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ERP1000-NL	3.0" NH (76 mm)	YES	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ERP1000-NN	3.5" NH (89 mm)	YES	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ER1000-NJ	2.5" NH (64 mm)	NO	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	15.8 lb (7.2 kg)	
M-ER1000-NL	3.0" NH (76 mm)	NO	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ER1000-NN	3.5" NH (89 mm)	NO	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	15.9 lb (7.2 kg)	

MASTER STREAM 1250S SERIES

150-1250 gpm (570-4700 l/min) Small Body

The TFT Master Stream 1250S series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Master Stream 1250S series nozzles are suitable for use with foam.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane RC, Typhoon RC and Monsoon RC monitors.

AUTOMATIC



- For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Continuously variable from straight stream to wide fog
- Molded rubber for teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-ERP1250SNJ	2.5" NH (64 mm)	YES	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ERP1250SNL	3.0" NH (76 mm)	YES	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ERP1250SNN	3.5" NH (89 mm)	YES	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	15.8 lb (7.2 kg)	
M-ER1250S-NJ	2.5" NH (64 mm)	NO	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ER1250S-NL	3.0" NH (76 mm)	NO	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	13.7 lb (6.2 kg)	
M-ER1250S-NN	3.5" NH (89 mm)	NO	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	12.0" (30.5 cm)	15.9 lb (7.2 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1250 SERIES ELECTRIC REMOTE

300-1250 gpm (600-4800 l/min) Large Body

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane RC, Typhoon RC and Monsoon RC monitors.

AUTOMATIC

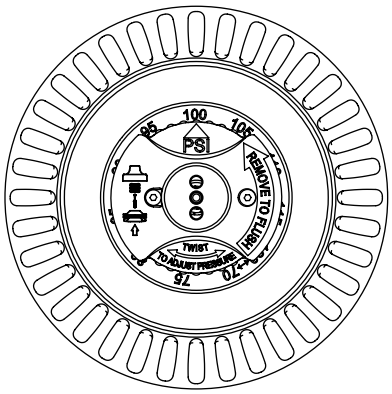


- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar)
- Continuously variable from straight stream to wide fog
- Molded rubber for teeth with full fill power fog

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-ERP1250-NJ	2.5" NH (64 mm)	YES	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	13.0" (33.0 cm)	18.4 lb (8.3 kg)	
M-ERP1250-NL	3.0" NH (76 mm)	YES	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	16.8 lb (7.6 kg)	
M-ERP1250-NN	3.5" NH (89 mm)	YES	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	17.3 lb (7.8 kg)	
M-ERP1250-NP	4.0" NH (102 mm)	YES	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	16.8 lb (7.6 kg)	
M-ER1250-NJ	2.5" NH (64 mm)	NO	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	13.0" (33.0 cm)	16.8 lb (7.6 kg)	
M-ER1250-NL	3.0" NH (76 mm)	NO	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	16.8 lb (7.6 kg)	
M-ER1250-NN	3.5" NH (89 mm)	NO	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	16.8 lb (7.6 kg)	
M-ER1250-NP	4.0" NH (102 mm)	NO	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	16.8 lb (7.6 kg)	

This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125.



OEM INSTALLED PRODUCTS

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1000 WITH FLUSH

300-1000 gpm (1100-3800 l/min)

The Master Stream 1000 with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1000 gpm (1100 l/min to 3800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1000 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows gallonage selection or flushing the nozzle of debris without shutting down flow. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or when flush while flowing is necessary or desired. The Master Stream 1000 with Flush is suitable for use with foam and accepts FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.

AUTOMATIC



- **For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors**
- **With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar)**
- **Continuously variable from straight stream to wide fog**
- **Flush without shutting down**

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FA1000-NJ	2.5" NH (64 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	
M-FA1000-NL	3.0" NH (76 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	
M-FA1000-NN	3.5" NH (89 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	

SELECTABLE



- **For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors**
- **A selector ring behind the shaper that can be adjusted while the nozzle is flowing to maximum flows of 350, 500, 750, and 1000 gpm at 100 psi (1300, 2000, 3000, 3800 l/min)**
- **Continuously variable from straight stream to wide fog**
- **Flush without shutting down**

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FS1000-NJ	2.5" NH (64 mm)	SELECTABLE	350, 500, 750, 1000 gpm (1300, 2000, 3000, 3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	
M-FS1000-NL	3.0" NH (76 mm)	SELECTABLE	350, 500, 750, 1000 gpm (1300, 2000, 3000, 3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	
M-FS1000-NN	3.5" NH (89 mm)	SELECTABLE	350, 500, 750, 1000 gpm (1300, 2000, 3000, 3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1250 SERIES WITH FLUSH

300-1250 gpm (1100-4800 l/min)

The Master Stream 1250 with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1250 gpm (1100 l/min to 4800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1250 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows gallonage selection or flushing the nozzle of debris without shutting down flow. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or when flush while flowing is necessary or desired. The Master Stream 1250 with Flush is suitable for use with foam and accepts FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.

AUTOMATIC



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FA1250-NJ	2.5" NH (64 mm)	AUTOMATIC	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	
M-FA1250-NL	3.0" NH (76 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	
M-FA1250-NN	3.5" NH (89 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	

SELECTABLE



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- A selector ring behind the shaper that can be adjusted while the nozzle is flowing to maximum flows of 500, 750, 1000, and 1250 gpm at 100 psi (2000, 3000, 3800, 4800 l/min)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FS1250-NJ	2.5" NH (64 mm)	SELECTABLE	500, 750, 1000, 1250 gpm (2000, 3000, 3800, 4800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	
M-FS1250-NL	3.0" NH (76 mm)	SELECTABLE	500, 750, 1000, 1250 gpm (2000, 3000, 3800, 4800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	
M-FS1250-NN	3.5" NH (89 mm)	SELECTABLE	500, 750, 1000, 1250 gpm (2000, 3000, 3800, 4800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	

FIXED



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- Fixed Constant Flow nozzle factory preset at customer's specified K-Factor 50-130
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FF1250-NJ	2.5" NH (64 mm)	FIXED	Customer's specified K-Factor 50-130 Must specify flow and pressure at time of order.		11.7" (29.7 cm)	11.1 lb (5.1 kg)	
M-FF1250-NL	3.0" NH (76 mm)	FIXED			11.7" (29.7 cm)	14.0 lb (6.4 kg)	
M-FF1250-NN	3.5" NH (89 mm)	FIXED			11.7" (29.7 cm)	14.0 lb (6.4 kg)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MASTER STREAM 1000 ELECTRIC REMOTE WITH FLUSH

300-1000 gpm (1100-3800 l/min)

The Master Stream 1000 Electric Remote with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1000 gpm (1100 l/min to 3800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1000 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows flushing the nozzle of debris without shutting down flow. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or when flush while flowing is necessary or desired. The Master Stream 1000 with Flush is suitable for use with foam and accepts FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane RC, Typhoon RC and Monsoon RC monitors.

AUTOMATIC

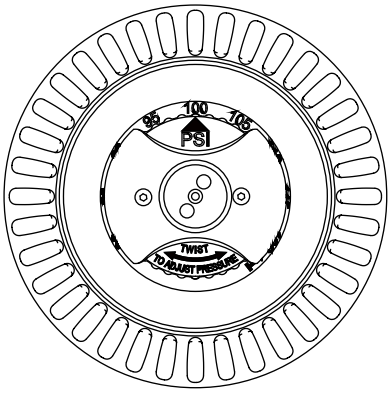


- **For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors**
- **With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar)**
- **Continuously variable from straight stream to wide fog**
- **Flush without shutting down**

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FAEP1000NJ	2.5" NH (64 mm)	YES	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAEP1000NL	3.0" NH (76 mm)	YES	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAEP1000NN	3.5" NH (89 mm)	YES	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAER1000NJ	2.5" NH (64 mm)	NO	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAER1000NL	3.0" NH (76 mm)	NO	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAER1000NN	3.5" NH (89 mm)	NO	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	

This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125.



National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1250 SERIES ELECTRIC REMOTE WITH FLUSH

300-1250 gpm (1100-4800 l/min)

The Master Stream 1250 Electric Remote with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1250 gpm (1100 l/min to 4800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1250 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows flushing the nozzle of debris without shutting down flow. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or when flush while flowing is necessary or desired. The Master Stream 1250 with Flush is suitable for use with foam and accepts FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.

AUTOMATIC



- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FAEP1250NJ	2.5" NH (64 mm)	YES	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAEP1250NL	3.0" NH (76 mm)	YES	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAEP1250NN	3.5" NH (89 mm)	YES	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAER1250NJ	2.5" NH (64 mm)	NO	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAER1250NL	3.0" NH (76 mm)	NO	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FAER1250NN	3.5" NH (89 mm)	NO	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	15.1 lb (6.8 kg)	

FIXED



- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Fixed Constant Flow nozzle factory preset at customer's specified K-Factor 50-130
- Continuously variable from straight stream to wide fog
- Flush without shutting down

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FFEP1250NJ	2.5" NH (64 mm)	YES	Customer's specified K-Factor 50-130 Must specify flow and pressure at time of order.		11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FFEP1250NL	3.0" NH (76 mm)	YES			11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FFEP1250NN	3.5" NH (89 mm)	YES			11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FFER1250NJ	2.5" NH (64 mm)	NO			11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FFER1250NL	3.0" NH (76 mm)	NO			11.7" (29.7 cm)	15.1 lb (6.8 kg)	
M-FFER1250NN	3.5" NH (89 mm)	NO			11.7" (29.7 cm)	15.1 lb (6.8 kg)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1500 SERIES

300-1500 gpm (1100-6000 l/min)

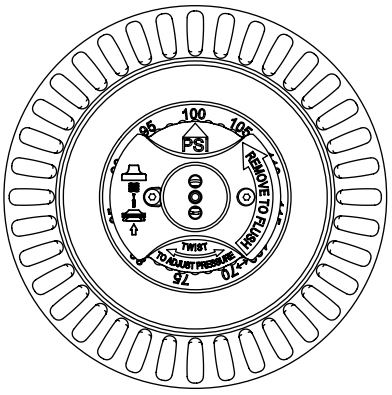
The Master Stream 1500 has the ability to produce an excellent hard-hitting stream at any volume from 300 gpm to 1500 gpm (1100 - 6000 l/min). It is adjustable from a straight stream to a dense fog pattern. This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 150. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 1500 gpm (1100 - 6000 l/min) is necessary or desired.



- **For TFT Hurricane, Typhoon, and Monsoon monitors**
- **With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar)**
- **Continuously variable from straight stream to wide fog**
- **Molded rubber for teeth with full fill power fog**
- **Halo ring for pattern control**

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1500-NJ	2.5" NH (64 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.9" (32.8 cm)	15.5 lb (7.0 kg)	
M-R1500-NL	3.0" NH (76 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.0" (32.0 cm)	15.1 lb (6.8 kg)	
M-R1500-NN	3.5" NH (89 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.0" (32.0 cm)	14.4 lb (6.5 kg)	
M-R1500-NP	4.0" NH (102 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.0" (32.0 cm)	15.1 lb (6.8 kg)	

This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 150.



National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 1500 ELECTRIC REMOTE SERIES

300-1500 gpm (1100-6000 l/min)

Electrically operated pattern control for use on remote applications.

The rugged, aluminum drive is totally enclosed and waterproof. The 12 to 24 volt drive unit draws 3 amps. There is a manual override if the electrical power fails. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane RC, Typhoon RC and Monsoon RC monitors.

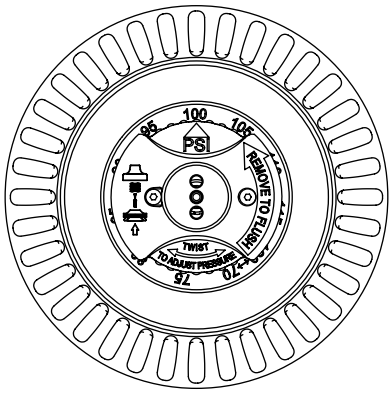


- **For TFT Hurricane, Typhoon, and Monsoon monitors**
- **With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar)**
- **Continuously variable from straight stream to wide fog**
- **Molded rubber for teeth with full fill power fog**

CE

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-ERP1500-NJ	2.5" NH (64 mm)	YES	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	13.0" (33.0 cm)	18.0 lb (8.2 kg)	
M-ERP1500-NL	3.0" NH (76 mm)	YES	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (32.0 cm)	16.8 lb (7.6 kg)	
M-ERP1500-NN	3.5" NH (89 mm)	YES	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (32.0 cm)	17.3 lb (7.8 kg)	
M-ERP1500-NP	4.0" NH (102 mm)	YES	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (32.0 cm)	16.8 lb (7.6 kg)	
M-ER1500-NJ	2.5" NH (64 mm)	NO	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	13.0" (33.0 cm)	18.0 lb (8.2 kg)	
M-ER1500-NL	3.0" NH (76 mm)	NO	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (32.0 cm)	16.8 lb (7.6 kg)	
M-ER1500-NN	3.5" NH (89 mm)	NO	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (32.0 cm)	17.3 lb (7.8 kg)	
M-ER1500-NP	4.0" NH (102 mm)	NO	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (32.0 cm)	18.7 lb (8.4 kg)	

This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 150.



OEM INSTALLED PRODUCTS

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MASTER STREAM 2000 SERIES

300-2000 gpm (1100-7600 l/min)

The Master Stream 2000 has the ability to produce an excellent hard-hitting stream at any volume from 300 gpm to 2000 gpm (1100 - 7600 l/min). It is adjustable from a straight stream to a dense fog pattern. The recently redesigned nozzles are substantially shorter and lighter than their predecessors. With a twist of the knob on the front of the nozzle, operating pressure can be immediately adjusted tactile detent settings between 80 and 120 psi (5.5 and 8.0 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 230. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 2000 gpm (1100 - 7600 l/min) is necessary or desired.



- For use on TFT Typhoon and Monsoon monitors
- Continuously variable from straight stream to wide fog
- Molded rubber for teeth with full fill power fog
- Halo ring for pattern control

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R2000-NL	3.0" NH (76 mm)	AUTOMATIC	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	20.2 lb (9.2 kg)	
M-R2000-NN	3.5" NH (89 mm)	AUTOMATIC	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	18.7 lb (8.5 kg)	
M-R2000-NP	4.0" NH (102 mm)	AUTOMATIC	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	18.7 lb (8.5 kg)	

MASTER STREAM STACKED TIP

Up to 2000 gpm (7600 l/min)

4 STACKED TIPS, 3.5" NH (89 mm) Designed for monitor use up to 2000 gpm (7600 l/min), these lightweight tips are hardcoat anodized, allow four orifice options, have a built in stream straightener and pressure/flow charts laser engraved on each tip. Orifice openings are 2.75", 2.5", 2.25", and 2.0". (70 mm, 64 mm, 57 mm and 51 mm) 3.5" NH (89 mm) swivel inlet coupling is standard.



- For use on TFT Typhoon and Monsoon monitors
- Built in stream straightener

YST-4NN

10.7 lb (4.9 kg)
22.0" (55.9 cm)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MASTER STREAM ELECTRIC REMOTE 2000 SERIES

300-2000 gpm (1100-7600 l/min)

The rugged, aluminum drive is totally enclosed and waterproof. The 12 to 24 volt drive unit draws 3 amps. There is a manual override if the electrical power fails. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

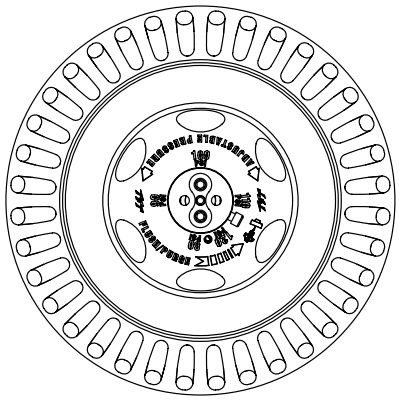
When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Typhoon RC and Monsoon RC monitors.



- **For use with TFT Typhoon RC and Monsoon RC monitors**
- **Nozzle pressure adjustable between 80 and 120 psi (5.5 and 8.0 bar)**
- **Continuously variable from straight stream to wide fog**
- **Molded rubber for teeth with full fill power fog**

MODEL	INLET	SMART STREAM TECHNOLOGY	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-ERP2000-NL	3.0" NH (76 mm)	YES	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	23.1 lb (10.5 kg)	
M-ERP2000-NN	3.5" NH (89 mm)	YES	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	22.3 lb (10.1 kg)	
M-ERP2000-NP	4.0" NH (102 mm)	YES	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	24.2 lb (11.0 kg)	
M-ER2000-NL	3.0" NH (76 mm)	NO	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	23.1 lb (10.5 kg)	
M-ER2000-NN	3.5" NH (89 mm)	NO	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	22.3 lb (10.1 kg)	
M-ER2000-NP	4.0" NH (102 mm)	NO	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	24.2 lb (11.0 kg)	

This nozzle now features TFT's exclusive pressure adjustment knob. With a twist of the knob on the front of the nozzle, operating pressure can be immediately adjusted between 80 and 120 psi (5.5 and 8.0 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 230.



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VORTEX® 2 & VORTEX® 2ER ELECTRIC REMOTE

The TFT VORTEX® 2 and 2ER enhances the use of a smoothbore nozzle. It is intended for installation behind a smoothbore nozzle for use with water or firefighting foam solutions. Six short vanes in the bore of the VORTEX reduce turbulence in straight stream. Actuation from "STREAM" to "VORTEX" causes the vanes to pivot proportionally. This induces a gentle spin in the water to create a uniformly dispersed stream pattern at the exit of the smoothbore tip resulting in virtually no friction less regardless of which stream pattern is selected. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear.



- **For use on TFT Blitzfire, Hemisphere, Crossfire, Hurricane, Typhoon, and Monsoon monitors**
- **Uses a crank to actuate from "STREAM" to "VORTEX"**
- **Internal vanes allow larger debris to easily pass through the Vortex**
- **Unrestricted stream straightener**
- **Use with any Master Stream Smoothbore Tip**

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVJ-NJNJ	2.5" NH (64 mm)	2.5" NH (64 mm)	MANUAL	300 psi (21 bar)	up to 1250 gpm (up to 4500 l/min)	8.4" (21.3 cm)	5.5 lb (2.5 kg)	



- **For use on TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors**
- **Electric Remote control with a manual override to actuate from "STREAM" to "VORTEX"**
- **Internal vanes allow larger debris to easily pass through the Vortex**
- **Unrestricted stream straightener**
- **Use with any Master Stream Smoothbore Tip**

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVJE-NJNJ	2.5" NH (64 mm)	2.5" NH (64 mm)	ELECTRIC REMOTE	300 psi (21 bar)	up to 1250 gpm (up to 4500 l/min)	8.4" (21.3 cm)	7.9 lb (3.6 kg)	
SVJE-NNNJ	3.5" NH (76 mm)	3.5" NH (76 mm)	ELECTRIC REMOTE	300 psi (21 bar)	up to 1250 gpm (up to 4500 l/min)	8.4" (21.3 cm)	7.9 lb (3.6 kg)	

4 STACKED TIPS, 2.5" NH (64 mm) Designed for monitor use, these lightweight tips are hardcoat anodized, allow four orifice options in one, and have pressure/flow charts laser engraved on each tip. 2.5" NH (64 mm) swivel coupling is standard. Orifice openings are 2", 1.75", 1.5", and 1.375". (51 mm, 44 mm, 38 mm and 35 mm) Length 16.90". (42.9 cm)



MST-4NJ

3.1 lb (1.4kg)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

VORTEX® 3 & VORTEX® 3ER ELECTRIC REMOTE

The TFT VORTEX® 3 and 3ER enhances the use of a smoothbore nozzle. It is intended for installation behind a smoothbore nozzle for use with water or firefighting foam solutions. Six short vanes in the bore of the VORTEX reduce turbulence in straight stream. Actuation from "STREAM" to "VORTEX" causes the vanes to pivot proportionally. This induces a gentle spin in the water to create a uniformly dispersed stream pattern at the exit of the smoothbore tip resulting in virtually no friction less regardless of which stream pattern is selected. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear.



- For use on TFT Typhoon and Monsoon monitors
- Uses a crank to actuate from "STREAM" to "VORTEX"
- Internal vanes allow larger debris to easily pass through the Vortex
- Unrestricted stream straightener
- Use with any Master Stream Smoothbore Tip

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVN-NNNN	3.5" NH (89 mm)	3.5" NH (89 mm)	MANUAL	300 psi (21 bar)	up to 2500 gpm (up to 9500 l/min)	9.0" (22.9 cm)	11.5 lb (5.2 kg)	



- For use on TFT Typhoon RC and Monsoon RC monitors
- Electric Remote control with a manual override to actuate from "STREAM" to "VORTEX"
- Internal vanes allow larger debris to easily pass through the Vortex
- Unrestricted stream straightener
- Use with any Master Stream Smoothbore Tip

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVNE-NNNN	3.5" NH (89 mm)	3.5" NH (89 mm)	ELECTRIC REMOTE	300 psi (21 bar)	up to 2500 gpm (up to 9500 l/min)	9.0" (22.9 cm)	13.9 lb (6.3 kg)	

3 STACKED TIPS, 3.5" NH (76 mm) Designed for monitor use, these lightweight tips are hardcoat anodized, allow four orifice options in one, and have pressure/flow charts laser engraved on each tip. 3.5" NH (76 mm) swivel coupling is standard. Orifice openings are 2.5", 2.25", and 2.0". (64 mm, 57 mm and 51 mm) Length 12.70". (32.3 cm)



YST-3NN

4.9 lb (2.2 kg)
12.7" (32.3 cm)

- For use on TFT Typhoon and Monsoon with Vortex 3
- Flows up to 1650 gpm (6250 l/min)
- Flow and pressure charts laser engraved

1 Tip to replace stream straightener on existing YST-4NN for use on Vortex 3



YST-1NN

2.7 lb (1.2 kg)
6.1" (15.5 cm)

- For use on TFT Typhoon and Monsoon with Vortex 3 and 3ER
- 3.5 NH (76 mm) swivel coupling inlet, 2.5" (64 mm) outlet
- Flows up to 1650 gpm (6250 l/min)
- Flow and pressure charts laser engraved

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

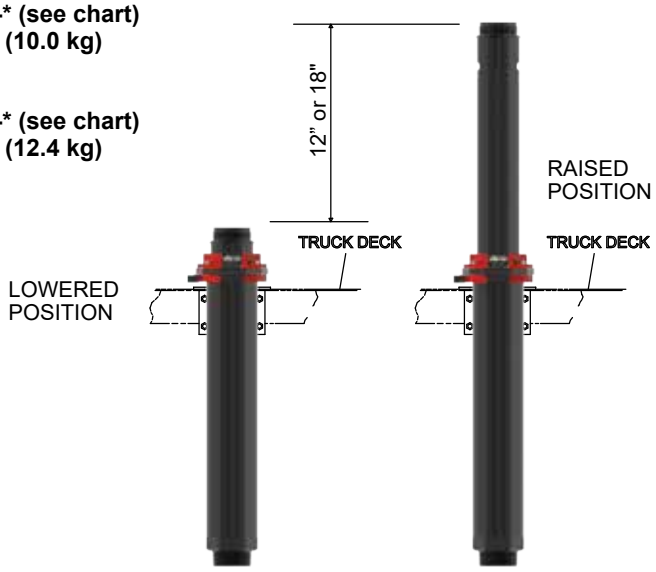
EXTEND-A-GUN™

3" (76 mm) Manual Telescoping Waterway

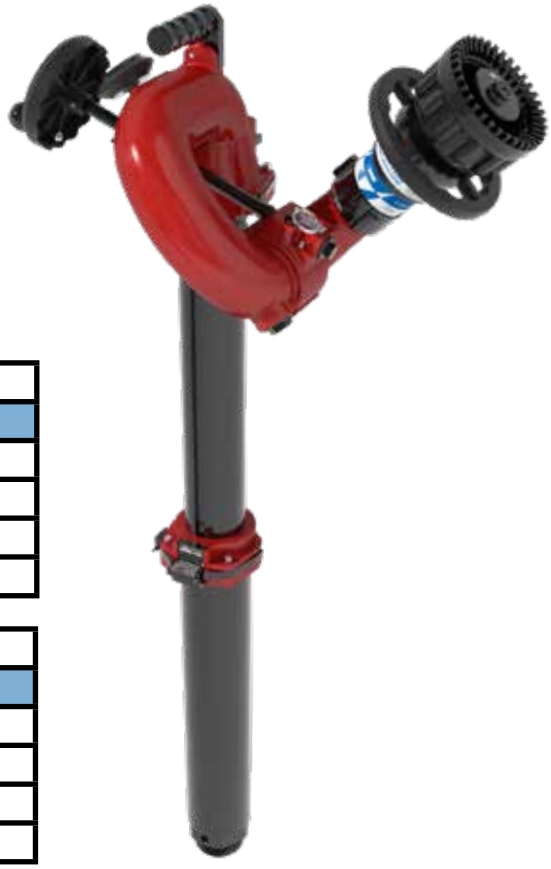
The Extend-A-Gun provides new capabilities for your deck mounted Master Stream device. For storage, it can be lowered to deck level (or even into a monitor well). On the fire ground, the monitor may be raised to its extended position (12 or 18 extra inches)(30.5 or 45.7 extra cm) by lifting the quick release and raising by hand until the non-rotating pipe locks into position. This gives greater clearance of other equipment on the apparatus, greater freedom of movement and allows a more comfortable operating position. The Extend-A-Gun offers a full 3" (75mm) waterway, hardcoat anodized finish, and built-in sensor for connection to "monitor raised" light or truck open compartment warning. Can be specified with new, or retrofitted to existing apparatus.

XG12*-* (see chart)
22.0 lb (10.0 kg)

XG18*-* (see chart)
27.4 lb (12.4 kg)



Shown with
CROSSFIRE Monitor and Master Stream 1250 Nozzle.
(Monitor, Nozzle and Mounting Brackets not included)



TFT CODE-RLM OUTLET (For TFT Momitors with RLF inlets)			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" TAPER PIPE MALE (76 mm)	XG12PL-RL	12" (30.5cm)	
	XG18PL-RL	18" (45.7cm)	
3" VICTAULIC (76 mm)	XG12VL-RL	12" (30.5cm)	
	XG18VL-RL	18" (45.7cm)	

CROSSFIRE OUTLET: ONLY FITS CROSSFIRE MONITOR TOP			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" TAPER PIPE MALE (76 mm)	XG12PL-XL	12" (30.5cm)	
	XG18PL-XL	18" (45.7cm)	
3" VICTAULIC (76 mm)	XG12VL-XL	12" (30.5cm)	
	XG18VL-XL	18" (45.7cm)	

OUTLET: 3" NPT (TAPER PIPE MALE) FITS ANY MONITOR TOP			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" TAPER PIPE MALE (76 mm)	XG12PL-PL	12" (30.5cm)	
	XG18PL-PL	18" (45.7cm)	
3" VICTAULIC (76 mm)	XG12VL-PL	12" (30.5cm)	
	XG18VL-PL	18" (45.7cm)	

3" BRACKET SETS

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered. Each kit has a different upper bracket. The lower bracket is the same in all three.

XGB-13

10.2 lbs (4.6 kg)



XGB-13
TUBE/SADDLE

XGB-23

8.2 lbs (3.7 kg)



XGB-23
PLATE/SADDLE

XGB-33

5.0 lbs (2.3 kg)



XGB-33
SADDLE/SADDLE

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

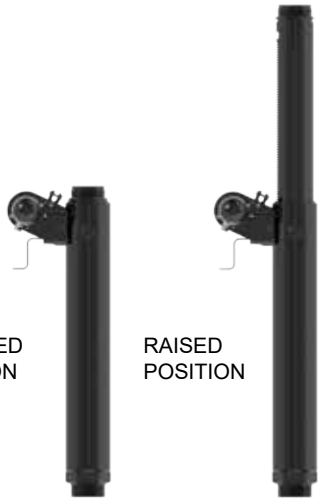
EXTEND-A-GUN™ RC3

3" (76 mm) Remote Control Telescoping Waterway

The Extend-A-Gun RC3 lets you lower your deck mounted Master Stream device to deck level for storage (or even into a well). On the fire ground, the monitor can be automatically raised to its extended position (12 or 18 extra inches) (30.5 or 45.7 extra cm) with a simple push of a button. This gives greater clearance of other equipment on the apparatus, greater freedom of movement, and keeps firefighters off the top of the trucks, thus providing a safer operating position. The Extend-A-Gun RC3 offers a 3" (75mm) waterway, and hardcoat anodized aluminum finish. Built-in sensor for connection to "monitor raised" light or truck open compartment warning. Connecting RC Extend-A-Gun motor control box to RC monitor communication link (blue & white wires) allows RC Extend-A-Gun operation from any monitor operator station equipped with monitor up/down button or input. Can be specified with new or retrofitted to existing apparatus. ***NOTE: Extend-A-Gun RC is not compatible with other manufactures monitors. XGA-RP operator station (see page 175) is required if the RC Extend-A-Gun is to be installed with a TFT manual Monitor.***

XGA32*-* (see chart)
12" Extend-A-Gun
26.6 lbs (12 kg)

XGA38*-* (see chart)
18" Extend-A-Gun
32 lbs (14.5 kg)



Shown with
HURRICANE Monitor and Master Stream 1250SER Nozzle.
(Monitor, Nozzle and Mounting Bracket not included)



CONTROL BOX
(complete with 10 ft (3 m) of power & communication cable for connection to monitor communication link & power, 10 ft (3 m) of cable for connection to RC monitor, and 12 ft (3.6 m) of cable for connection to RC Extend-A-Gun motor)

TFT CODE-RLM OUTLET*			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" BSP (76 mm)	XGA32BL-RL	12" (30.5cm)	
3" BSP (76 mm)	XGA38BL-RL	18" (45.7cm)	
3" NPT (76 mm)	XGA32PL-RL	12" (30.5cm)	
3" NPT (76 mm)	XGA38PL-RL	18" (45.7cm)	
3" VICTAULIC	XGA32VL-RL	12" (30.5cm)	
3" VICTAULIC	XGA38VL-RL	18" (45.7cm)	

* Fits inlet of Tornado RC, Hurricane RC, Typhoon RC or Monsoon RC monitors with 3" connection code-RLF.

CROSSFIRE OUTLET: ONLY FITS CROSSFIRE MONITOR TOP			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" BSP (76 mm)	XGA38BL-XL	18" (45.7 cm)	
3" NPT (76 mm)	XGA38PL-XL	18" (45.7 cm)	
3" VICTAULIC	XGA38VL-XL	18" (45.7 cm)	

3" BRACKET SETS

For safe dependable service, the Extend-A-Gun RC3 MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered. Each kit has a different upper bracket. The lower bracket is the same in all three.

XGB-13

10.2 lbs (4.6 kg)



XGB-13
TUBE/SADDLE

XGB-23

8.2 lbs (3.7 kg)



XGB-23
PLATE/SADDLE

XGB-33

5.0 lbs (2.3 kg)



XGB-33
SADDLE/SADDLE

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

EXTEND-A-GUN™ RC4

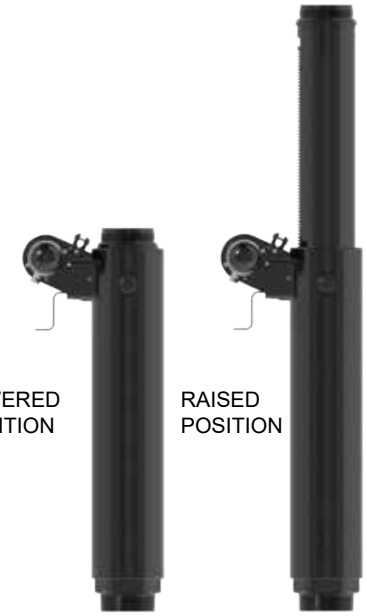
4" (102 mm) Remote Control Telescoping Waterway

The Extend-A-Gun RC4 lets you lower your deck mounted Master Stream device to deck level for storage (or even into a well). On the fire ground, the monitor can be automatically raised to its extended position (18 extra inches or 45.7 extra cm) with a simple push of a button. This gives greater clearance of other equipment on the apparatus, greater freedom of movement, and keeps firefighters off the top of the trucks, thus providing a safer operating position. The Extend-A-Gun RC4 offers a 4" (100mm) waterway, and hardcoat anodized aluminum finish. Built-in sensor for connection to "monitor raised" light or truck compartment operator warning system.

Connecting RC Extend-A-Gun motor control box to RC monitor communication link (blue & white wires) allows RC Extend-A-Gun operation from any monitor operator station equipped with monitor up/down button or input. Can be specified with new or retrofitted to existing apparatus. ***NOTE: Extend-A-Gun RC is not compatible with other manufactures monitors. XGA-RP operator station (see page 175) is required if the RC Extend-A-Gun is to be installed with a TFT manual Monitor.***

XGA42*-* (see chart)
12" Extend-A-Gun
41.5 lbs (12 kg)

XGA48*-* (see chart)
18" Extend-A-Gun
47.0 lbs (21.3 kg)



Shown with
MONSOON Monitor and Master Stream 2000ER Nozzle.
(Monitor, Nozzle and Mounting Brackets not included)



CONTROL BOX
(complete with 10 ft (3 m) of power & communication cable for connection to monitor communication link & power, 10 ft (3 m) of cable for connection to RC monitor, and 12 ft (3.6 m) of cable for connection to RC Extend-A-Gun motor)

TFT CODE-RPM OUTLET*			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
4" BSP (102 mm)	XGA42BP-RP	12" (30.5 cm)	
4" BSP (102 mm)	XGA48BP-RP	18" (45.7 cm)	
4" NPT (102 mm)	XGA42PP-RP	12" (30.5 cm)	
4" NPT (102 mm)	XGA48PP-RP	18" (45.7 cm)	
4" VICTAULIC	XGA42VP-RP	12" (30.5 cm)	
4" VICTAULIC	XGA48VP-RP	18" (45.7 cm)	

* Fits inlet of Hurricane RC, Typhoon RC or Monsoon RC monitors with 4" connection code-RPF.

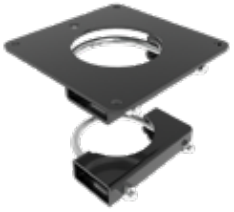
4" BRACKET SETS

For safe dependable service, the Extend-A-Gun RC4 MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, the 4" mounting brackets come in two styles. Each kit has a different upper bracket. The lower bracket is the same for both.

XGB-43

17.8 lbs (8.1 kg)

XGB-43
PLATE/SADDLE



XGB-53

11.4 lbs (5.1 kg)

XGB-53
SADDLE/SADDLE



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Remote Control Monitor Up To 200 gpm (750 l/min)

NOZZLE OPTIONS FOR THE EF1 RC MONITOR

SMOOTH BORE



Smoothbore Tips—
5/8" for 80 gpm (300 l/min)
or 1" for 200 gpm (750 l/min)
Good for CAFS Applications

Y1-E32A Monitor with FF152

SELECTABLE



100 psi Selectable ER Tip
Flow Capacity that ranges from 15 to 120 gpm (50 to 450 l/min)

Y1-E32A Monitor with B-TOS-ERP

ULTIMATIC



75, 100, 120 or 150 psi Automatic Tip
Flow Capacities that range from 10 to 125 gpm (35 to 470 l/min)

Y1-E32A Monitor with B-TO-ERP

BUBBLE CUP



100 psi Dual Gallonage Tip
Flow Capacities at 20/60 gpm (75/230 l/min) or 20/95 gpm (75/360 l/min)
Integrated Aspirated Foam Sleeve
Integrated Nozzle Shut-off

Y1-E32A Monitor with FS2095BCER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT Tactile Touch Controller

Bluetooth®



YE-BT1 Bluetooth® Adapter

PUMP PANEL



Panel Mount Monitor Operator Station

HANDHELD W/30 FT TETHER

Tethered Monitor Operator Station



JOYSTICK IN THE CAB



Joystick Monitor Operator Station with Valve Control. Available in a Gateable or Non-Gateable Version



Heavy Duty Stainless Steel Water Valve and Interface Box: Gateable Version or Non-Gateable Version

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

EF1™ RC

Remote Control Monitor Up To 200 gpm (750 l/min)

The EF1 RC monitor is extremely compact, yet it has a large 1.5" (38 mm) waterway, capable of flowing up to 200 gpm, making it the ideal forestry bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 200 gpm (750 l/min). Elevation range is 90° above horizontal to 45° below. Horizontal travel is 270° (135° either side of a center position). Field changeable horizontal travel stops to give 180° (90° either side of a center position). Designed for 12 VDC or 24 VDC operation, selection is automatic. The EF1 RC monitor optional controllers allow for monitor horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized aluminum. Silver powder coat finish. Various inlets are available. Contact factory for details about wireless operation.

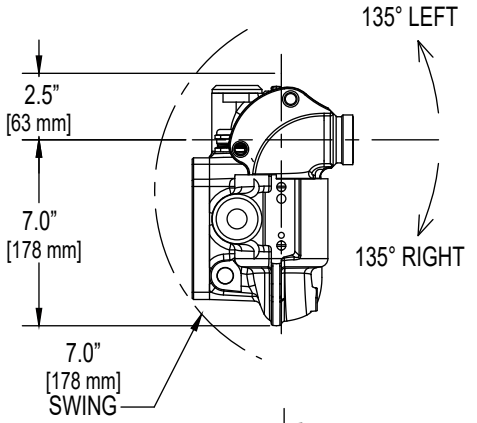


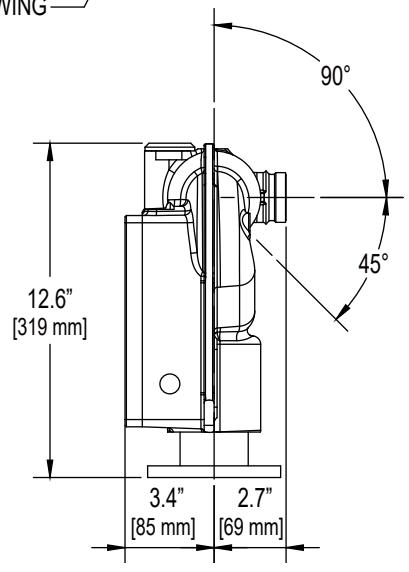
- **Excellent wildland and interface monitor**
- **Compact for front bumper mounting**
- **Enclosed motors and electronics**
- **External wiring is reduced to a minimum**
- **Single plug for quick installation**

Y1-E31A

17.0 lb (7.7 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart





When ordering a EF1 RC monitor, choose one option from each category. Example: Y1-E31A is an monitor with 1.5" (38 mm) ANSI 150 inlet and 1.5"-11 BSP (38 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y1-E			A
	Inlet 2) 1.5" (38 mm) BSPT Female 3) 1.5" (38 mm) ANSI 150 ** 4) 1.5" (38 mm) NPT Female 6) 2.0" (51 mm) BSPT Female 7) 2.0" (51 mm) ANSI 150 ** 8) 2.0" (51 mm) NPT Female 9) 2.5"-7.5 (64 mm) NH Female § ± 0) 2.5"-11 (64 mm) BSPT Female ± A) 2.0"-11 (51 mm) BSPT Female ± B) DN80, PN16 Flange ± C) 2.5" (64 mm) ANSI 150 ± D) 2.5"-8 (64 mm) NPT Female ± E) 2.0"-11.5 (51 mm) NPT Female ± F) 3.0" -8 (76 mm) NPT Female ± G) 3.0" (76 mm) ANSI 150 Rigid ± H) TFT Code-RLF * ± J) 1.5"-11.5 (38 mm) NPT Female ±	Outlet 1) 1.5"-11 (38 mm) BSP Male 2) 1.5"-9 (38 mm) NH Male 3) 1.5" (38 mm) NPSH Male	
	*Code-RLF Fits Extend-A-Gun RC3 ± Quick Connect Inlet Adapter ** 1.5" (38 mm) NPT Female on inner diameter of flange § No inlet adapter		

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

EF1™ RC

Combination Package EF1 RC

Rated to 200 gpm (750 l/min) with a maximum operating pressure of 200 psi (14 bar), the EF1 RC is a remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle. The EF1 RC has an electronically operated 270° horizontal rotational travel, user installed travel limit stops, stainless steel worm gear drive, and grease zerk fittings for easy service and lubrication. The discharge elbow includes an integral stream straightener. The monitor is constructed of hardcoat anodized aluminum alloy and has a silver powder coat finish.



- **Package includes EF1 monitor, nozzle and Bluetooth controller**
- **Easy one cable installation**
- **Compact and flow efficient**

Y1C-71

7.0 lb (7.7 kg)

PACKAGE PART NUMBER
Specify Nozzle and monitor Inlet and Outlet by number from chart

When ordering a EF1 RC monitor Package Y1C-71, choose one option from each category.

Example: *Y1-E31A is an monitor with 1.5" (38 mm) ANSI 150 inlet and 1.5"-11 (38 mm) BSP male threaded outlet.*

F2060BCER is a 20/60 GPM Bubble Cup ER Nozzle

YE-RF-BT plus YE-BT1 is a Tactile Touch Controller with a Bluetooth® Interface.

For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

MONITOR CHOICE

Y1-E ____ ____ **A**

Inlet 2) 1.5" (38 mm) BSPT Female 3) 1.5" (38 mm) ANSI 150 ** 4) 1.5" (38 mm) NPT Female 6) 2.0" (51 mm) BSPT Female 7) 2.0" (51 mm) ANSI 150 ** 8) 2.0" (51 mm) NPT Female 9) 2.5"-7.5 (64 mm) NH Female § ± 0) 2.5"-11 (64 mm) BSPT Female ± A) 2.0"-11 (51 mm) BSPT Female ± B) DN80, PN16 Flange ± C) 2.5" (64 mm) ANSI 150 ± D) 2.5"-8 (64 mm) NPT Female ± E) 2.0"-11.5 (51 mm) NPT Female ± F) 3.0" -8 (76 mm) NPT Female ± G) 3.0" (76 mm) ANSI 150 Rigid ± H) TFT Code-RLF * ± J) 1.5"-11.5 (38 mm) NPT Female ±	Outlet 1) 1.5"-11 (38 mm) BSP Male 2) 1.5"-9 (38 mm) NH Male 3) 1.5" (38 mm) NPSH Male
*Code-RLF Fits Extend-A-Gun RC3 ± Quick Connect Inlet Adapter ** 1.5" (38 mm) NPT Female on inner diameter of flange § No inlet adapter	

NOZZLE CHOICE



☐ **F2060BCER**
20/60 GPM Nozzle

☐ **F2095BCER**
20/95 GPM Nozzle

CONTROLLER

☐ 

YE-RF-BT
Tactile Touch Controller



YE-BT1
Bluetooth® Adapter

OEM INSTALLED PRODUCTS

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

NOZZLE OPTIONS FOR THE TORNADO LT MONITOR

TORNADO LT	FLOW RATE
ULTIMATIC Automatic @ 100, 120 or 150 psi or Selectable @ 100 psi **Smoothbore** Stacked Tips	10 - 125 gpm
MID-MATIC Automatic @ 100 psi **MID-FORCE** Dual Pressure Automatic @ 55 or 100 psi **Smoothbore** Stacked Tips	70 - 200 gpm
MAX-MATIC Automatic @ 100 psi **MAX-FORCE** Dual Pressure Automatic @ 55 or 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER	100 - 500 gpm
MAX-FLOW Fixed gpm 500 gpm **Smoothbore** Stacked Tips With or Without Vortex 2ER	500 gpm
CAFS-FORCE Dual Pressure Automatic @ 45 psi (CAFS) and 75 psi (Water) **Smoothbore** 1⅜ with 1.5" or 2.5" inlet With or Without Vortex 2ER	CAFS

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT Tactile Controller



YE-BT1 Bluetooth® Adapter

Bluetooth

PUMP PANEL



Panel Mount

HANDHELD W/30 FT TETHER



Tethered Monitor Operator Station

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control.



Heavy Duty Water Valve and Interface Box.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

TORNADO®LT

Remote Control Monitor Up To 500 gpm (2000 l/min)

The Tornado RC LT is very compact, yet it has a large 2.25" (57 mm) waterway, capable of flowing up to 500 gpm (2000 l/min), making it the ideal bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (2000 l/min). Elevation range is 90° above horizontal to 45° below. Field changeable elevation travel stops at 45 ° above and 20° below horizontal. Horizontal travel is 370° (185° either side of a center position). Field changeable horizontal travel stops to give 180° (90° either side of a center position). Designed for 12 VDC or 24 VDC operation, selection is automatic. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Knobs for manual override are provided on the horizontal rotation and elevation drive. Electric drives and enclosure box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available. Contact factory for details.

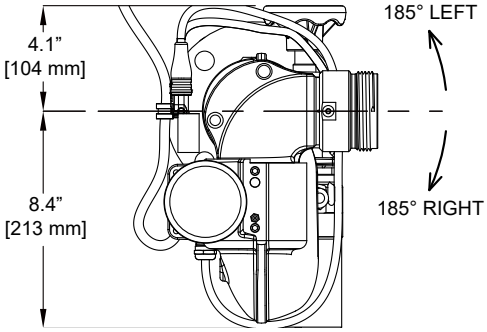


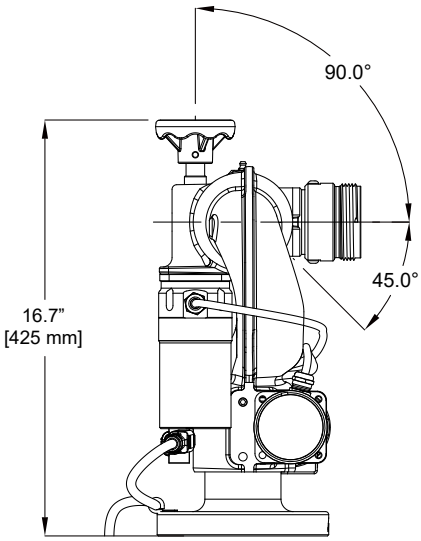
- **Compact design with plug connections for easy installation**
- **Consult factory for special nozzle options**
- **LED light kit available see page 189**

CE **Y2-E11A-LT**

25.0 lb. (11.3 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart





Y4E-JS-LT
Joystick Monitor Operator Station With Valve Control Must Be Ordered And Installed.

When ordering a Tornado RC LT monitor, choose one option from each category. Example: Y2-E61A-LT is an electric monitor with 2.5" (64 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded exit. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

Y2-E

		A	-LT
Inlet 1) 2.5"-7.5 NH (64 mm) Female§ 2) 2.5"-11 BSPT (64 mm) Female 3) 2.0"-11 BSPT (51 mm) Female 5) DN80, PN16 Flange 6) 2.5" (64 mm) ANSI 150 7) 2.5"-8 NPT(64 mm) Female 8) 2.0"-11.5 NPT (51 mm) Female 9) 3.0" -8 NPT (76 mm) Female 0) 3.0" (76 mm) ANSI 150 Rigid F) 2.5" (64 mm) ANSI 150 Rigid	Outlet 1) 2.5"-7.5 NH (64 mm) Male 2) 2.5"-11 BSP (64 mm) Male 3) 1.5"-11 BSP (38 mm)Male 4) 1.5"-9 NH (38 mm) Male 8) Special 1.5" (38 mm) 9) Special 2.5" (64 mm)		
§ No inlet adapter			

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TORNADO®RC

Compact Industrial Monitor Flows Up To 500 gpm (2000 l/min)

TFT's TORNADO® RC compact industrial monitor is designed for both fire and industrial applications. This industrial version is certified to ingress protection IP66/67 to limit penetration of dust and moisture into the electronics, ball races and gears. Models are remotely operated and are capable of flowing up to 500 gpm (2000 l/min). Heavy duty seals and O-rings help mitigate contamination in applications like mining and road construction.

- **High performance seals in both the vertical and horizontal axis minimize penetration of dust and moisture in bearing races**
- **Override knobs have been replaced with protective caps and seals to minimize penetration of dust and moisture in the worm gear area**
- **340 ° maximum total rotation for the horizontal axis**
- **Horizontal axis has infinitely adjustable travel stops**





10001004 QM08
ISO 9001:2015
TASK FORCE TIPS LLC

Y2-EG4A-S

12.3 lb (5.5 kg)

Shown with NYSTACK and DN65 Table E Inlet Flange
Other inlets & outlets available, consult factory

SPECIFICATIONS	
Application	Industrial/Commercial
Certification	CE
Finish	Black Wrinkle
Horizontal Movement	340° total range (±170°)
Inlet	DN65 Table E Flange*
Max Flow	500 gpm (2,000 l/min)
Operating Voltage	12/24 VDC
Horizontal Oscillation	Yes
Outlet	1.5" (38 mm) NH Male*
Remote Control	Yes
Vertical Movement	135° total range (-45° to +90°)
Vertical Oscillation	Yes
Weight	27.1
Electronics Ingress Protection Rating (Control Box & Motors)	IP66 / IP67
Mechanical Ingress Protection Rating (Ball Races & Gears)	IP66 / IP67
* Other inlets and outlets available. Consult factory.	

Worldwide Approval and Certifications

As well as being a Registered Firm to ISO 9001:2015 by Underwriter's from agencies around the world. Certificates for specific models are available for review on the TFT website at tft.com/Resource-Library, and include approvals of remote controlled models used in potentially hazardous atmospheres as well as country specific requirements.

All products are designed, developed, and manufactured in the United States of America at our Valparaiso, Indiana world headquarters.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

NOZZLE OPTIONS FOR THE TORNADO MONITOR

TORNADO	FLOW RATE	TORNADO RC
ULTIMATIC® Automatic @ 75 or 100 psi **Smoothbore**	10 - 125 gpm	**ULTIMATIC®** Automatic @ 100, 120 or 150 psi or Selectable @ 100 psi **Smoothbore**
MID-MATIC® Automatic @ 55, 75 or 100 psi **MID-FORCE®** Dual Pressure Automatic @ 55 or 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	70 - 200 gpm	**MID-MATIC®** Automatic @ 55, 75 or 100 psi **MID-FORCE®** Dual Pressure Automatic @ 55 or 100 psi **Smoothbore** Stacked Tips
MAX-MATIC™ Automatic @ 80 or 100 psi **MAX-FORCE™** Dual Pressure Automatic @ 55 or 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	100 - 500 gpm	**MAX-MATIC™** Automatic @ 80 or 100 psi **MAX-FORCE™** Dual Pressure Automatic @ 55 or 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MAX-FLOW™ Fixed GPM 500 gpm **Smoothbore** Stacked Tips With or Without Vortex 2	500 gpm	**MAX-FLOW™** Fixed gpm 500 gpm **Smoothbore** Stacked Tips With or Without Vortex 2ER
CAFS-FORCE Dual Pressure Automatic @ 45 psi (CAFS) and 75 psi (Water) **Smoothbore** 1⅜ with 1.5" or 2.5" inlet With or Without Vortex 2	CAFS	**CAFS-FORCE** Dual Pressure Automatic @ 45 psi (CAFS) and 75 psi (Water) **Smoothbore** 1⅜ with 1.5" or 2.5" inlet With or Without Vortex 2ER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT Tactile Touch Controller



YE-BT1 Bluetooth® Adapter

Bluetooth

PUMP PANEL



Panel Mount

HANDHELD W/30 FT TETHER

Tethered Monitor Operator Station



WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control. Available in a gateable or non-gateable version.



Heavy Duty Water Valve and Interface Box: gateable version or non-gateable version.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

TORNADO®RC

Remote Control Monitor Up To 500 gpm (2000 l/min)

The Tornado RC is very compact, yet it has a large 2-¼ inch waterway, capable of flowing up to 500 gpm, making it the ideal bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (1900 l/min). Elevation range is 90° above horizontal to 45° below. Field changeable elevation travel stops at 45 ° above and 20° below horizontal. Horizontal travel is 370° (185° either side of a center position). Field changeable horizontal travel stops to give 180° (90° either side of a center position). Designed for 12 VDC or 24 VDC operation, selection is automatic. The Tornado RC comes with a control panel on the monitor for horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. See pages 174-177 for additional control stations. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Knobs for manual override are provided on the horizontal rotation and elevation drive. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available. Locking quick connect inlets and outlets allows for quick removal of the Tornado for installations such as bumper mounting, where the monitor must be removed to tilt the cab of the truck. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details..



- **2.5" NH (64 mm) Coupling Quick Connects to various inlet adapters.**
- **Rigid inlets without quick connect are available**
- **IP66/67 ingress protection on electronics.**

CE

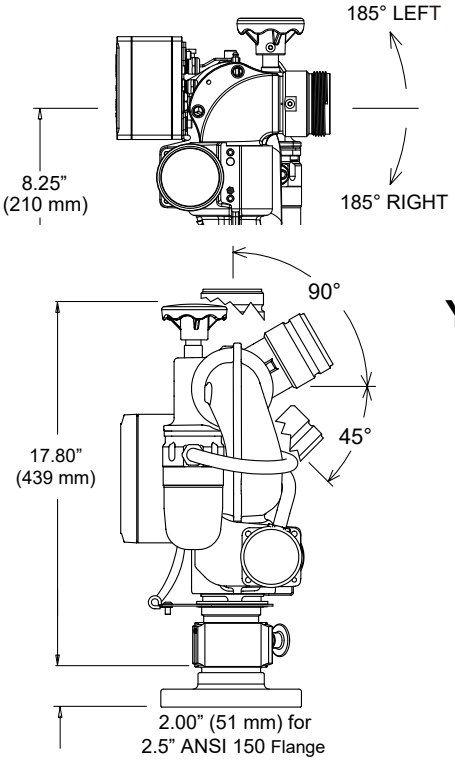
Y2-E11A

25.0 lb. (11.3 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

See pages 129-130, 133-136 for ER nozzle choices

See Page 189 for LED Integrated Lighting Kit.



When ordering a Tornado RC monitor, choose one option from each category. Example: Y2-E61A is an electric monitor with 2.5" (64 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded exit. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

Y2-E

		A	
Inlet 1) 2.5"-7.5 NH (64 mm) Female§ 2) 2.5"-11 BSPT (64 mm) Female 3) 2.0"-11 BSPT (51 mm) Female 5) DN80, PN16 Flange 6) 2.5" (64mm) ANSI 150 7) 2.5"-8 NPT (64 mm) Female 8) 2.0"-11.5 NPT (51 mm) Female 9) 3.0" -8 NPT (76 mm) Female 0) 3.0" (76mm) ANSI 150 Rigid F) 2.5" ANSI 150 Rigid H) 2.0"-11.5 NPTF (51 mm) Rigid L) TFT Code-RLF* V) VUM Flange**	Outlet 1) 2.5"-7.5 NH (64 mm)Male 2) 2.5"-11 BSP (64 mm) Male 3) 1.5"-11 BSP (38 mm) Male 4) 1.5"-9 NH (38 mm) Male 8) Special 1.5" (38 mm) 9) Special 2.5" (64 mm) *Code-RLF fits Extend-A-Gun RC3 §No inlet adapter ** Fits VUM, IVUM, HUM and OUM		Optional -Z) Industrial Model with American Red powdered coat (omit for standard silver models)

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

TORNADO®

Tiller Bar Monitor Up To 500 gpm (2000 l/min)

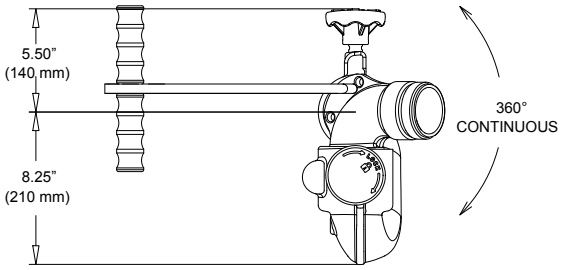
The Tornado is very compact, yet it has a large 2-¼ inch waterway, capable of flowing up to 500 gpm, making it the ideal manual turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (1900 l/min). Elevation range is 90 degrees above horizontal to 45 degrees below. Has 360 degree continuous horizontal rotation. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available.

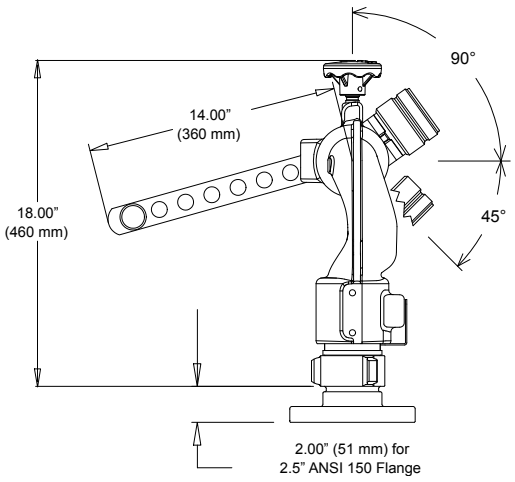


- 2.5" NH (64 mm) Coupling Quick Connects to various inlet adapters
- Locking knobs for rotation and elevation

Y2-T11A

12.0 lb (5.3 kg)
SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart





When ordering a Tornado monitor, choose one option from each category. Example: Y2-T61A is an tiller monitor with 2.5" (64 mm) ANSI 150 inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y2-T ____ ____ **A**

Inlet 1) 2.5"-7.5 NH (64 mm) Female§ 2) 2.5"-11 BSPT (64 mm) Female 3) 2.0"-11 BSPT (51 mm) Female 5) DN80, PN16 Flange 6) 2.5" (64mm) ANSI 150 7) 2.5"-8 NPT (64 mm) Female 8) 2.0"-11.5 NPT (51 mm) Female 9) 3.0" -8 NPT (76 mm) Female 0) 3.0" (76 mm) ANSI 150 L) TFT Code-RLF* V) VUM Flange**	Outlet 1) 2.5"-7.5 NH (64 mm) Male 2) 2.5"-11 BSP (64 mm) Male 3) 1.5"-11 BSP (38 mm) Male 4) 1.5"-9 NH (38 mm) Male 8) Special 1.5" (38 mm) 9) Special 2.5" (64 mm) *Code-RLF fits Extend-A-Gun RC3 §No inlet adapter ** Fits VUM, IVUM, HUM and OUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

NOZZLE OPTIONS FOR THE HURRICANE MONITOR

HURRICANE	FLOW RATE	HURRICANE RC
MASTER STREAM 1000 Automatic, Selectable, Fixed @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	150 - 1000 gpm	**MASTER STREAM 1000** Automatic, Selectable, FIXED @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MASTER STREAM 1250 Automatic @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	150 - 1250 gpm	**MASTER STREAM 1250** Automatic @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MASTER STREAM 1000 w/FLUSH Automatic @ 80 to 120 psi or Selectable @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	300 - 1000 gpm	**MASTER STREAM 1000 w/FLUSH** Automatic @ 80 to 120 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MASTER STREAM 1250 w/FLUSH Automatic @ 80 to 120 psi or Selectable or Fixed @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	300 - 1250 gpm	**MASTER STREAM 1250 w/FLUSH** Automatic @ 80 to 120 psi or Fixed @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
Smoothbore Stacked Tips With or Without Vortex 2	CAFS	**Smoothbore** Stacked Tips With or Without Vortex 2ER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT
Tactile Touch Controller

Bluetooth

YE-BT1
Bluetooth® Adapter



PUMP PANEL



Panel Mount

HANDHELD W/30 FT TETHER

Tethered Monitor Operator Station



WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control. Available in a gateable or non-gateable version



Heavy Duty Water Valve and Interface Box: gateable version or non-gateable version

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

HURRICANE™

Fixed Station Monitor Up To 1250 gpm (4750 l/min)

The Task Force Tips' Hurricane is a durable, industrial, high-capacity fixed monitor. The Hurricane has high flow and low friction loss characteristics. The red powder coat finish (inside and out), and stainless steel elevation drive make the Hurricane one appliance that can stand up to tough service environments. The Hurricane is capable of flowing 1250 gpm (4750 l/min) while maintaining a FULL 360° rotational ability. The lever-action rotational lock is activated in one motion, visually confirmed, and securely holds the Hurricane in position. A built-in automatic drain protects the monitor from freezing. The placement of grease zerks allows the Hurricane monitor to be quickly and easily serviced and lubricated, and a threaded port 0.25" NPT (6 mm) is provided for a pressure gauge. The Hurricane is made from hard anodized ANSI A356-T6 aluminum. The Hurricane industrial monitor comes with our exclusive 5-year warranty.

Red powder coat finish inside and out is standard. To Replace polymer handwheel controls with optional aluminum crank "-Z" is added to the end of the model number.

- 3" ANSI (76 mm) 150 flange inlet
- 2.5" NH (64 mm) outlet



FM APPROVED

XFI-FLNJ

19.6 lb (8.9 kg)

- 4" ANSI (102 mm) 150 flange inlet
- 2.5" NH (64 mm) outlet
- Galvanic isolation sleeve included



FM APPROVED

XFI-FPNJ

22.2 lb (10.1 kg)

- 3" (76 mm) female NPT inlet
- 2.5" NH (64 mm) outlet



FM APPROVED

XFI-PLNJ

18.2 lb (8.3 kg)

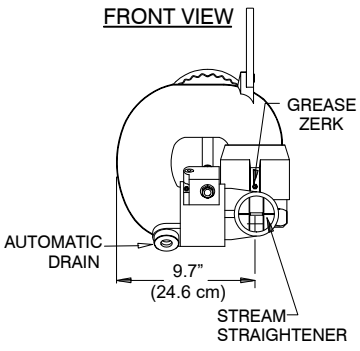
- 3" ANSI (76 mm) 150 flange inlet
- 4 bolts
- 2.5" NH (64 mm) outlet
- Galvanic isolation sleeve included



FM APPROVED

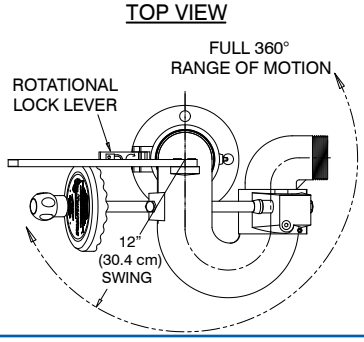
XFIE-FLNJ
3" Flange Extended

21.0 lb (9.5 kg)





Optional
Aluminum Crank Handle



- 4" ANSI (102 mm) 150 flange inlet
- 2.5" NH (64 mm) outlet
- Galvanic isolation sleeve included



FM APPROVED

XFIE-FPNJ
4" Flange Extended

22.6 lb (10.3 kg)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HURRICANE™

Hurricane Manually Controlled Monitor 1250 gpm (4750 l/min)

The TFT Hurricane is a durable, high-capacity industrial fixed monitor with low friction loss characteristics. The silver powder coat finish (inside and out), and stainless steel worm drives allow the Hurricane to withstand tough service environments. The large 3.25" (83 mm) waterway will deliver up to 1250 gpm (4750 l/min). Only eleven (11) turns of the handwheel are necessary to change from vertical to the horizontal elevation setting. A built-in automatic drain protects the monitor from freezing. The placement of grease zerks allows the Hurricane monitor to be quickly and easily serviced and lubricated, and a threaded port 0.25" NPT (6 mm) is provided for a pressure gauge. 2.5" male NH (64 mm) outlet threads are standard. 2.5" male BSP (64 mm) threads available on request. The Hurricane is made from hard anodized aluminum.

Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer hand wheels.

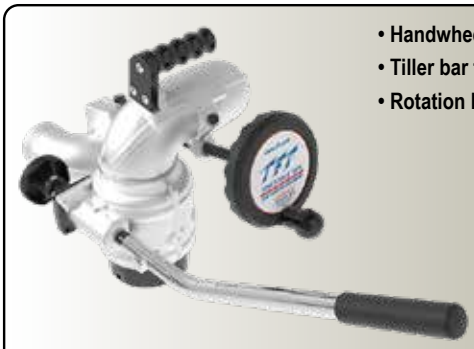


- **Handwheels for both axis**
- **Low profile, high flow design**

XFIH-DP1A
XFIH-TP1A

31.8 lb (14.4 kg)

XFIH-DP1ASAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .

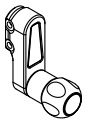


- **Handwheel for elevation**
- **Tiller bar for rotation**
- **Rotation locking knob**

XFIH-TP1A

31.8 lb (14.4 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .



Optional
Aluminum Crank Handle

When ordering a Hurricane Dual Handwheel or Tiller monitor, choose one option from each category. Example: Model XFIH-D11A is a monitor with 3" (76 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist. .

Conversions
2.5" (64 mm)
3.0" (76 mm)
4" (102 mm)
4.5" (114 mm)

XFIH-

D) Dual T) Tiller	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	L) TFT CODE-RLF* P) TFT CODE-RPF** Q) 4.5" NH Quick Connect for VUM R) 4.5" NH Quick Connect with 4" ANSI 150 S) 4.5" NH Quick Connect with 4" NPT female T) 4.5" NH Quick Connect with CODE-RLF* U) 4.5" NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE RRM***	Outlet 1) 2.5" - 7.5 NH Male 2) 2.5" - 11 BSP Male 9) Special	**A**	Optional -Z) Industrial Model with American Red powdered coat and aluminum crank handles (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
*** TFT Code-RRM fits 4" IVUM and OUM

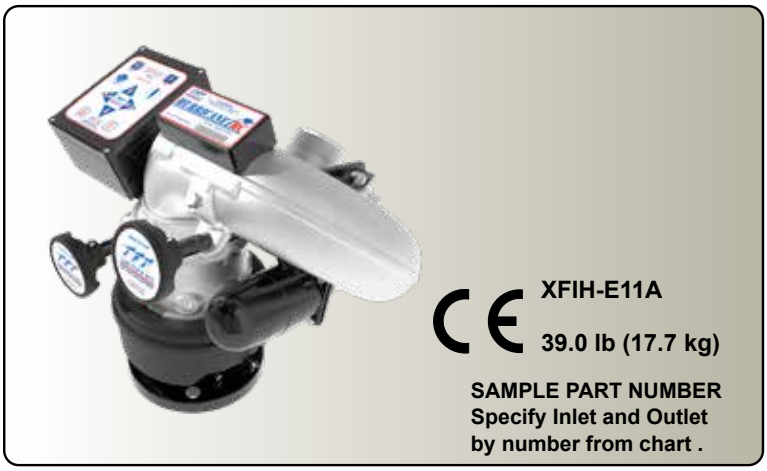
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HURRICANE™ RC

Remote Controlled Monitor Up To 1250 gpm (4750 l/min)

The Hurricane RC is an electric remote controlled monitor, with a single low-profile waterway discharge. The Hurricane RC has high flow and low friction loss characteristics. Capable of flowing 1250 gpm (4750 l/min) while maintaining a FULL 450° rotational travel (225° either side of center). Maximum operating pressure is 200 psi (14 bar). Field changeable horizontal rotation stops at 45, 90 and 135 degrees either side of center position. Elevation range is 90° above horizontal to 45° below. Designed for 12 VDC or 24 VDC volt operation, selection is automatic. The Hurricane RC comes with a control panel mounted on the monitor for horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. See pages 174-177 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30 feet of ultra-flexing robotics power cable already wired to the monitor, and is enclosed in a unique cable guide that allows FULL 450° of horizontal travel, which is far more reliable than slip rings or coil cords. Knobs for manual override are also provided. TFT's Master Stream 1250 ER nozzle plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof. Standard outlet is 2.5" NH (65mm) male thread. A built-in automatic drain protects the monitor from freezing. A threaded port (0.25" NPT) (6mm) is provided for optional pressure gauge. The monitor is made from hardcoat anodized ANSI 356-T6 aluminum and silver powder coat finish inside and out. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details..



XFIH-E11A

39.0 lb (17.7 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .

Conversions
2.5" (64 mm)
3.0" (76 mm)
4" (102 mm)
4.5" (114 mm)

See pages 186-189 for control options.
See pages 129-150 for ER nozzles that plug into the factory installed nozzle connection.

When ordering a Hurricane RC monitor, choose one option from each category.
Example: Model XFIH-E11A is a monitor with 3" (76 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

XFIH-E

			A	
Inlet		Outlet		Optional
1) 3" ANSI 150	L) TFT CODE-RLF*	1) 2.5" - 7.5 NH Male		-Z) Industrial Model with American Red powdered coat (omit for standard silver models)
2) 4" ANSI 150	N) TFT CODE-RPF for VUM and HUM	2) 2.5" - 11 BSP Male		
4) DN80, PN16	P) TFT CODE-RPF Extend-A-Gun RC4	9) Special		
5) DN100, PN16	Q) 4.5" NH Quick Connect for VUM +			
6) 3" NPT Female	R) 4.5" NH Quick Connect with 4" ANSI 150 +			
7) 4" NPT Female	S) 4.5" NH Quick Connect with 4" NPT female +			
8) 3" BSP Male	T) 4.5" NH Quick Connect with CODE-RLF* +			
9) 4" BSP Male	U) 4.5" NH Quick Connect with CODE-RPF** +			
	X) TFT CODE RRM for 4" IVUM and OUM +			

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
\+ Horizontal Axis Travel Limited to 135° left/right

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TYPHOON

NOZZLE OPTIONS FOR THE TYPHOON MONITOR

TYPHOON	FLOW RATE	TYPHOON RC
		
MASTER STREAM 1250 Automatic 70-120 psi **Smoothbore** Stacked Tips With or Without Vortex 2	**300 - 1250 gpm**	**MASTER STREAM 1250** Automatic 70-120 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
		
MASTER STREAM 1500 Automatic 70-120 psi **Smoothbore** Stacked Tips With or Without Vortex 3	**300 - 1500 gpm**	**MASTER STREAM 1500** Automatic 70-120 psi **Smoothbore** Stacked Tips With or Without Vortex 3ER
		
Smoothbore Stacked Tips With or Without Vortex 2 or 3	**CAFS**	**Smoothbore** Stacked Tips With or Without Vortex 2ER or 3ER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT Tactile Touch Controller

YE-BT1 Bluetooth® Adapter



PUMP PANEL



Panel Mount Monitor Operator Station

HANDHELD W/30 FT TETHER



Tethered Monitor Operator Station

WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

TYPHOON

Manually Controlled Monitor - 1500 gpm (6000 l/min)

The Typhoon is a manually operated monitor designed for flows up to 1500 gpm (6000 l/min). Maximum operating pressure is 200 psi (14 bar). Waterway with turning vane has only 19 psi (1.3 bar) loss at 1500 gpm (6000 l/min). Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's Extend-A-Gun series and Valve Under Monitor series. See chart on next page for model numbers. Standard outlet is 3.5"NH (90 mm) male thread; other outlets available. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum.

Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer hand wheels.

- **Handwheels for both axis**



Y5-D11A

22.0 lb (10.0 kg)

FM APPROVED

- **Handwheel for elevation**
- **Tiller bar for rotation**
- **Rotation locking knob**



Y5-M11A

23.0 lb (10.4 kg)

FM APPROVED

- **Tiller bar with locks on both axis**

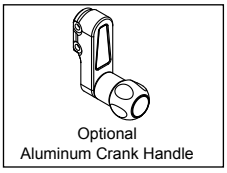


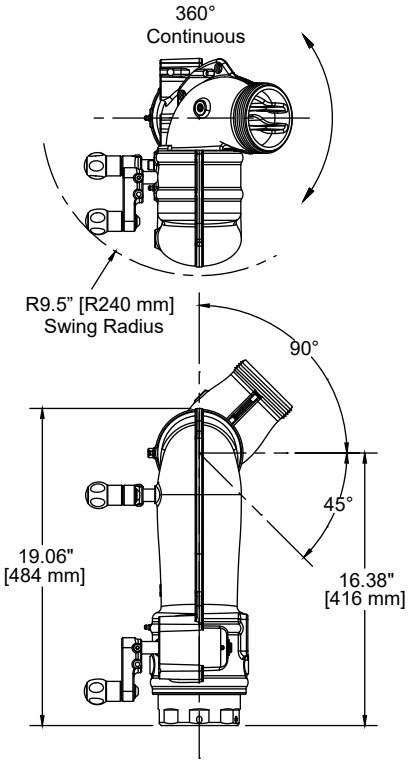
Y5-T11A

23.0 lb (10.4 kg)

FM APPROVED

SAMPLE PART NUMBERS - Specify Inlet and Outlet by number from chart .





Shown With Dual Aluminum Hand Cranks And Without Inlet Fitting

Conversions

3.0" (76 mm)
3.5" (89 mm)
4.0" (102 mm)
4.5" (114 mm)
6.0" (152 mm)

When ordering a Typhoon monitor, choose one option from each category below. For example Model Y5-M21A is a manual elevation handwheel, horizontal tiller aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y5-				A	
Actuation D) Dual Handwheel M) Elevation Handwheel Horizontal Tiller T) Tiller Both Axis	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	L) TFT CODE-RLF* P) TFT CODE-RPF** Q) 4.5" NH Quick Connect for VUM R) 4.5" NH Quick Connect with 4" ANSI 150 S) 4.5" NH Quick Connect with 4" NPT female T) 4.5" NH Quick Connect with CODE-RLF* U) 4.5" NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE-RRM***	Outlet 1) 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powder coat and aluminum crank handles (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
***TFT CODE RRM Fits 4" IVUM and OUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TYPHOON RC

Remote Controlled Monitor 1500 gpm (6000 l/min) Designed for Pumper Applications

The Typhoon RC is an electrically operated monitor for flows up to 1500 gpm (6000 l/min). Maximum operating pressure is 200 psi (14 bar). Waterway with turning vane has only 19 psi (1.3 bar) loss at 1500 gpm (6000 l/min). Designed for 12 VDC or 24 VDC operation, selection is automatic. The Typhoon RC comes with a factory installed control panel mounted to the monitor for controlling horizontal rotation, elevation, nozzle pattern, and programmable PARK and Oscillate. See Pages 174-177 for additional control stations. The motor controls use position encoders and current limiting to protect the drive train at ends of travel. Knobs are installed so the monitor may be manually operated in the event of a power failure. Field changeable stops for horizontal travel at 45, 90, and 135 degrees either side of a center position. Horizontal travel without stops is 225 degree left and right (450 degree total). Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's electric Extend-A-Gun RC3, RC4 and Valve Under Monitor Series. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 3.5"NH (90 mm) male thread. Other outlets available. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.

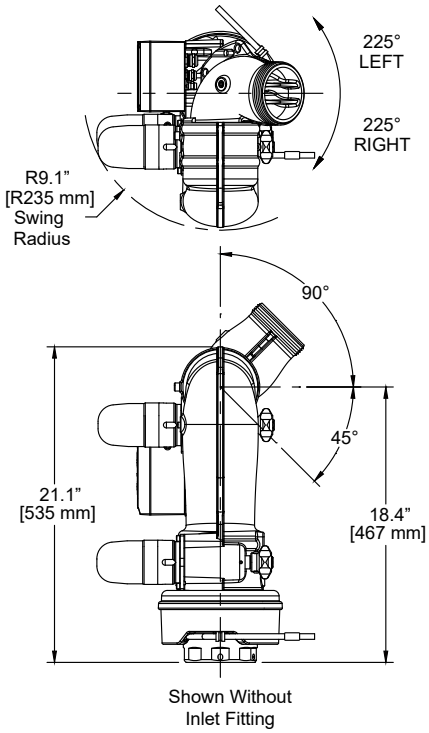


- **Large, flow efficient waterway**
- **IP66/67 ingress protection on electronics**

Y5-EP1A
Electric

37.2 lbs (16.9 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



See page 129-151 for nozzles choices.
See page 189 for LED Integrated Lighting Kit

Conversions
3.0" (76 mm)
3.5" (89 mm)
4.0" (102 mm)
4.5" (114 mm)
6.0" (152 mm)

When ordering a Typhoon monitor, choose one option from each category below. For example Model Y5-E21A is an electric aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y5-				A	
Actuation E) Electric	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	 L) TFT CODE-RLF for Extend-A-Gun RC3 N) TFT CODE-RPF for VUM and HUM P) TFT CODE-RPF Extend-A-Gun RC4 Q) 4.5" NH Quick Connect for VUM + R) 4.5" NH Quick Connect with 4" ANSI 150 + S) 4.5" NH Quick Connect with 4" NPT female + T) 4.5" NH Quick Connect with CODE-RLF* + U) 4.5" NH Quick Connect with CODE-RPF** + X) TFT CODE-RRM Fits 4" IVUM and OUM +	Outlet 1) 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powder coat (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
+ Horizontal Axis Travel Limited to 135° left/right

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TYPHOON RC

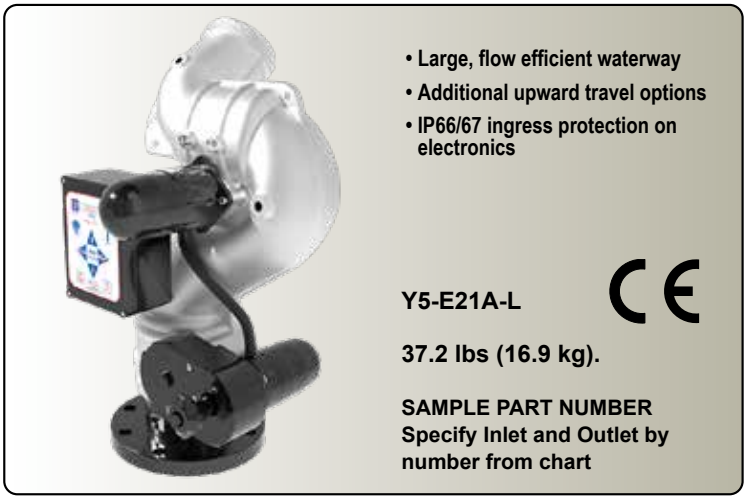
Remote Controlled Monitor - 1500 gpm (6000 l/min) Designed for Ladder and Platform Applications

The Typhoon RC for Ladder or Platform installations is similar to the standard Typhoon RC. This model has the horizontal travel limited to 90 degrees left and right (180 degrees total). Various models are available with different elevation ranges –see the figure and table below for details. Ladder and Platform models include an electronics enclosure and 10' of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module. The Platform model's electronics enclosure contains an additional 10' cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in the field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in the PARK position and contacts that can be connected to the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal, and nozzle pattern adjustments and programmable PARK and Oscillate. See 186-189 for additional control stations. For wireless operation, purchase wireless operator station package on page 187.

Ladder/platform electronics enclosures includes inputs for DEPLOY monitor, INHIBIT monitor, and LIMIT VERTICAL movement on -Lxx models with extra travel.

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.

Inlet Options A & B increase operating clearance by offsetting the monitor inlet forward by 1.5" (38 mm).

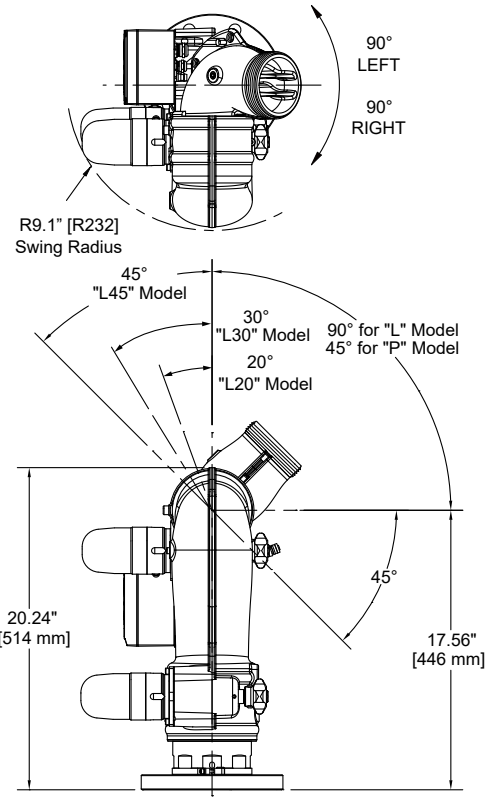


- **Large, flow efficient waterway**
- **Additional upward travel options**
- **IP66/67 ingress protection on electronics**

Y5-E21A-L

37.2 lbs (16.9 kg).

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Conversions
3.0" (76 mm)
3.5" (89 mm)
4.0" (102 mm)
4.5" (114 mm)
6.0" (152 mm)



Includes Multipoint Aerial/ Interface

Y5-E ____ ____ **A** ____

Inlet		Outlet	Configuration
A) 1.5" Offset for VUM	L) TFT CODE-RLF *	1) 3.5"-6 NH Male	-L) Ladder
B) 1.5" Offset for 4" ANSI 150	P) TFT CODE-RPF **	2) 3.5"-11 BSP Male	-P) Platform
1) 3" ANSI 150	Q) 4.5" NH Quick Connect for VUM	3) 3.5"-8 NPSH Male	-L20) Ladder w/20° Extra Elevation
2) 4" ANSI 150	R) 4.5" NH Quick Connect with 4" ANSI 150	4) 4.0"-11 BSP Male	-L30) Ladder w/30° Extra Elevation
3) 6" ANSI 150	S) 4.5" NH Quick Connect with 4" NPT female	9) Special	-L45) Ladder w/45° Extra Elevation
4) DN80, PN16	T) 4.5" NH Quick Connect with CODE-RLF*		
5) DN100, PN16	U) 4.5" NH Quick Connect with CODE-RPF**		
6) 3" NPT Female	X) TFT CODE RRM fits 4" IVUM and HUM		
7) 4" NPT Female			
8) 3" BSP Male			
9) 4" BSP Male			

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON®

1250 gpm (4750 l/min)

NOZZLE OPTIONS FOR THE MONSOON 1250 MONITOR

MONSOON 1250	FLOW RATE	MONSOON 1250 RC
MASTER STREAM 1000 Automatic, Selectable, Fixed @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	150 - 1000 gpm	**MASTER STREAM 1000** Automatic, Selectable, FIXED @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MASTER STREAM 1250 Automatic @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	150 - 1250 gpm	**MASTER STREAM 1250** Automatic @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MASTER STREAM 1000 w/FLUSH Automatic @ 80 to 120 psi or Selectable @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	300 - 1000 gpm	**MASTER STREAM 1000 w/FLUSH** Automatic @ 80 to 120 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
MASTER STREAM 1250 w/FLUSH Automatic @ 80 to 120 psi or Selectable or Fixed @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2	300 - 1250 gpm	**MASTER STREAM 1250 w/FLUSH** Automatic @ 80 to 120 psi or Fixed @ 100 psi **Smoothbore** Stacked Tips With or Without Vortex 2ER
Smoothbore Stacked Tips With or Without Vortex 2	CAFS	**Smoothbore** Stacked Tips With or Without Vortex 2ER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT
Tactile Touch Controller



YE-BT1
Bluetooth® Adapter

Bluetooth

PUMP PANEL



Panel Mount Monitor Operator Station

HANDHELD W/30 FT TETHER

Tethered Monitor Operator Station



WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control. Available in a gateable or non-gateable version



Heavy Duty Water Valve and Interface Box: gateable version or non-gateable version

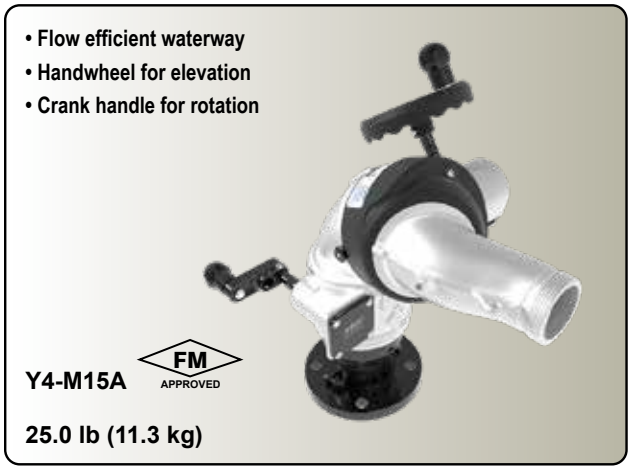
National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MONSOON®

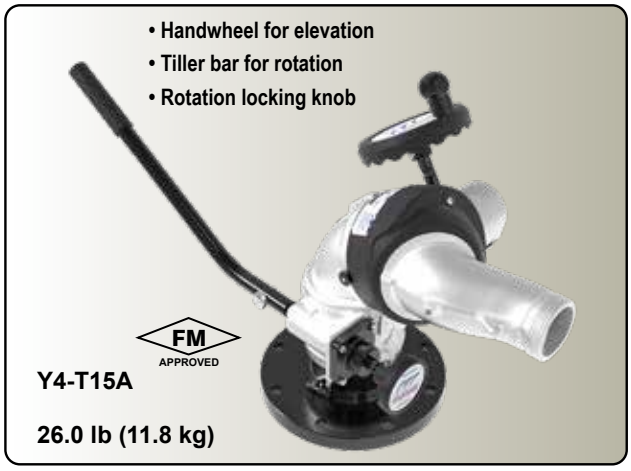
Mannually Controlled Monitor - 1250 gpm (4750 l/min)

The Monsoon is a manually operated monitor designed for flows up to 1250 gpm (4750 l/min). Maximum operating pressure is 200 psi (14 bar). Unique patented segmented waterway has only 6 psi (0.4 bar) friction loss at 1250 gpm (4750 l/min). Water makes very few turns as it travels through the monitor resulting in low friction loss and a far-reaching effective stream. Elevation range is 90° above horizontal to 45° below. Field changeable elevation travel stops at 45° above, 30° above, and 30° below horizontal. The manual model has continuous horizontal rotation with field changeable stops at 45, 90 and 135° either side of a center position. Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's Extend-A-Gun series and Valve Under Monitor series. Several outlet thread sizes are available. See chart below for model numbers. Main waterway made from hardcoat anodized aluminum.

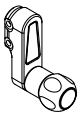
Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer handwheels. Standard outlet is 2.5" NH (64 mm) male thread; other outlets available.



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Optional
Aluminum Crank Handle

Conversions

2.5" (64 mm)	3.0" (76 mm)
3.5" (89 mm)	4.0" (102 mm)
4.5" (114 mm)	6.0" (152 mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-M25A is a manual aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 2.5" NH (64mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

Y4-

				A	
Actuation M) Manual T) Tiller	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	 L) TFT CODE-RLF* P) TFT CODE-RPF** Q) 4.5" NH Quick Connect for VUM R) 4.5" NH Quick Connect with 4" ANSI 150 S) 4.5" NH Quick Connect with 4" NPT Female T) 4.5" NH Quick Connect with CODE-RLF* U) 4.5" NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE-RRM***	Outlet 5) 2.5" NHM 6) 2.5" BSPM 7) 2.5" NPSHM 8) SPECIAL		Optional -Z) Industrial Model with American Red powder coat and aluminum crank handles (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
*** TFT Code-RRM fits 4" IVUM and OUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON® RC

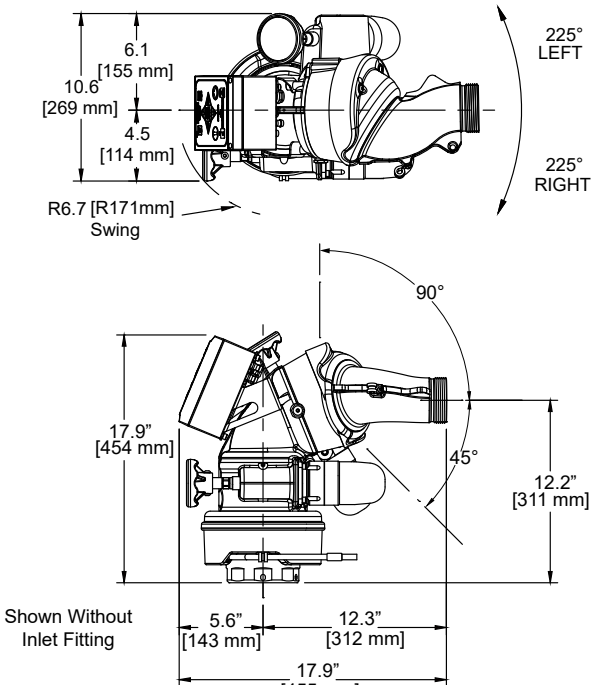
Remote Controlled Monitor - 1250 gpm (4750 l/min) Designed for Pumper Applications

The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Monsoon RC comes with a factory installed control panel mounted on the monitor for controlling horizontal rotation, elevation, nozzle pattern and programmable PARK and Oscillate. See page 186-189 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30' (10 m) of ultra-flexing robotics cable already wired to the monitor so installation effort is minimized. Cable has only four conductors (two for power and two for communications), further easing the installation effort. Cable is enclosed in a unique wire guide that allows 450° of horizontal travel (225° either side of a center position), which is far more reliable than slip rings or coil cords. Knobs for manual override are provided on the horizontal rotation and elevation drive. TFT's Master ERP nozzles plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof and have a IP66/IP67 rating.. Main waterway made from hardcoat anodized aluminum. Silver powder coat finish inside and out. Standard outlet is 2.5" NH (64 mm) rigid male thread. Other outlets are available. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

All TFT RC monitors are capable of being controlled by multiplex CANbus system or a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Conversions

2.5" (64 mm) 3.0" (76 mm)
3.5" (89 mm) 4.0" (102 mm)
4.5" (114 mm) 6.0" (152mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4E-25A is an electric aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

Y4-				A	
Actuation E) Electric	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	 L) TFT CODE-RLF for Extend-A-Gun RC3 N) TFT CODE-RPF for VUM and HUM P) TFT CODE-RPF Extend-A-Gun RC4 Q) 4.5" NH Quick Connect for VUM + R) 4.5" NH Quick Connect with 4" ANSI 150 + S) 4.5" NH Quick Connect with 4" NPT Female + T) 4.5" NH Quick Connect with CODE-RLF* + U) 4.5" NH Quick Connect with CODE-RPF** + X) TFT CODE-RRM fits 4" IVUM and OUM	Outlet 5) 2.5" NHM 6) 2.5" BSPM 7) 2.5" NPSHM 8) SPECIAL		Optional -Z) Industrial Model with American Red powder coat (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
+ Horizontal Axis Travel Limited to 135° left/right

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON® RC

Remote Controlled High Clearance - 1250 gpm (4750 l/min) Designed for Ladder and Platform Applications

The Monsoon RC for Ladder or Platform installations is similar to the standard Monsoon RC. This model of Monsoon RC has the control box mounted at the top to give a reduced swing radius, thereby giving more clearance for Ladder Truck or Platform Installations. Knobs for manual override are provided on the horizontal rotation and elevation drive. Also comes with factory installed travel stops to limit the horizontal travel to 180° (90° either side of a center position). Ladder and Platform models include an electronics enclosure and 10' (3 m) of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module output. The Platform model's electronics enclosure contains an additional 10' (3 m) cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in PARK position and has contacts that can be connected into the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal nozzle pattern adjustments and programmable PARK and Oscillate. See page 186-189 for additional control stations. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

Ladder/platform electronics enclosure includes inputs for DEPLOY monitor and INHIBIT monitor.

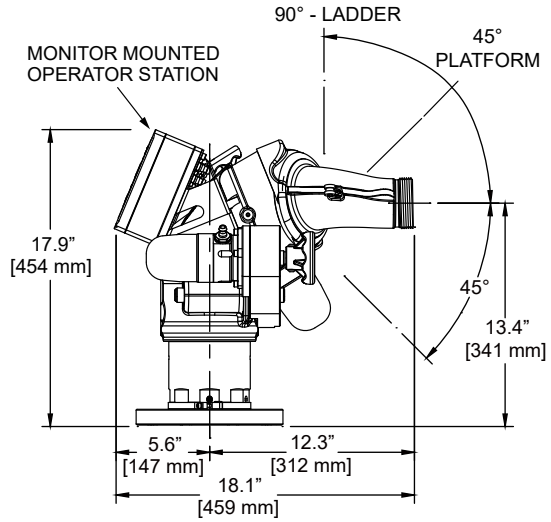
- **Flow efficient waterway**
- **IP66/67 ingress protection on electronics**



4" (102 mm) ANSI 150 INLET FITTING SHOWN
OTHER INLET FITTINGS SIMILAR

Y4-E25A-L

37.0 lb (16.8 kg)



All TFT RC monitors are capable of being controlled by multiplex CANbus system or a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Includes Multipoint Aerial/ Interface

Conversions

2.5" (64 mm)	3.0" (76 mm)
3.5" (89 mm)	4 .0" (102 mm)
4.5" (114 mm)	6.0" (152 mm)

Example: Y4-E25A-L is an electric aluminum monitor for ladders with a 4" (102 mm) ANSI 150 flange inlet and 2.5 (64 mm)NH male threaded outlet.

Y4-E ____ ____ **A** ____

Inlet		Outlet	Configuration
1) 3" ANSI 150	A) 1.5" Offset for VUM	5) 2.5" NHM	-L) Ladder
2) 4" ANSI 150	B) 1.5" Offset for 4" ANSI 150	6) 2.5" BSPM	-P) Platform
3) 6" ANSI 150	L) TFT CODE-RLF*	7) 2.5" NPSHM	
4) DN80, PN16	P) TFT CODE-RPF**	8) SPECIAL	
5) DN100, PN16	Q) 4.5" NH Quick Connect for VUM		
6) 3" NPT Female	R) 4.5" NH Quick Connect with 4" ANSI 150		
7) 4" NPT Female	S) 4.5" NH Quick Connect with 4" NPT Female		
8) 3" BSP Male	T) 4.5" NH Quick Connect with CODE-RLF*		
9) 4" BSP Male	U) 4.5" NH Quick Connect with CODE-RPF**		
	X) TFT CODE-RRM fits 4" IVUM and OUM		

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON®

2000 gpm (7600 l/min)

NOZZLE OPTIONS FOR THE MONSOON 2000 MONITOR

MONSOON 2000	FLOW RATE	MONSOON 2000 RC





MASTER STREAM 2000 **Automatic @ 80-120 psi** Smoothbore **Stacked Tips With or Without Vortex 3**	**300 - 2000 gpm**	**MASTER STREAM** 2000 RC **Automatic @ 80-120 psi** Smoothbore **Stacked Tips With or Without Vortex 3ER**



Smoothbore **Stacked Tips With or Without Vortex 3**	**750 - 1850 gpm**	Smoothbore **Stacked Tips With or Without Vortex 3ER**



Smoothbore **Stacked Tips**	**CAFS**	Smoothbore **Stacked Tips**

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-RF-BT Tactile Touch Controller

YE-BT1 Bluetooth® Adapter



PUMP PANEL



Panel Mount Monitor Operator Station

HANDHELD W/30 FT TETHER



Tethered Monitor Operator Station

WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control

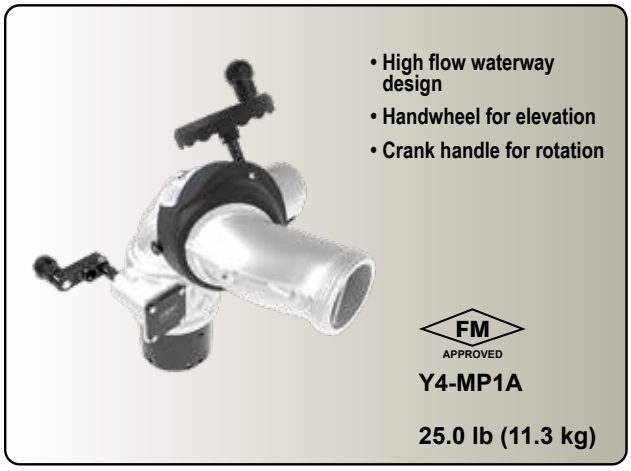
National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

MONSOON®

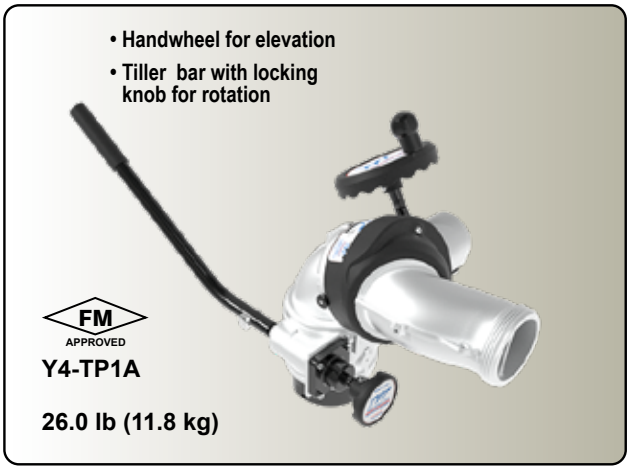
Manually Controlled Monitor - 2000 gpm (7600 l/min)

The Monsoon is a manually operated monitor designed for flows up to 2000 gpm (7600 l/min). Maximum operating pressure is 200 psi (14 bar). Unique patented segmented waterway has only 15 psi (1 bar) friction loss at 2000 gpm. Water makes very few turns as it travels through the monitor resulting in low friction loss and a far-reaching effective stream. Elevation range is 90 degrees above horizontal to 45 degrees below. Field changeable elevation travel stops at 45 degrees above, 30 degrees above, and 30 degrees below horizontal. The manual model has continuous horizontal rotation with field changeable stops at 45, 90 and 135 either side of a center position. Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's Extend-A-Gun series and Valve Under Monitor series. Several outlet thread sizes are available. See chart on next page for model numbers. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum.

Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer handwheels. Standard outlet is 3.5"NH (90 mm) male thread; other outlets available.



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Optional
Aluminum Crank Handle

Conversions

3.0" (76 mm) 3.5" (89 mm)
4.0" (102 mm) 4.5" (114 mm)
6.0" (152 mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-M21A is a manual aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

Y4-

				A	
Actuation M) Manual T) Tiller	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	 L) TFT CODE-RLF* P) TFT CODE-RPF** Q) 4.5" NH Quick Connect for VUM R) 4.5" NH Quick Connect with 4" ANSI 150 S) 4.5" NH Quick Connect with 4" NPT Female T) 4.5" NH Quick Connect with CODE-RLF* U) 4.5" NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE-RRM***	Outlet 1) 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powder coat and aluminum crank handles (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
*** TFT Code-RRM fits 4" IVUM and OUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON® RC

Remote Controlled Deck Monitor - 2000 gpm (7600 l/min) Designed for Pumper Applications

The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Monsoon RC comes with a factory installed control panel mounted on the monitor for controlling horizontal rotation, elevation, nozzle pattern and programmable PARK and Oscillate. See page 174-177 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30 feet of ultra-flexing robotics cable already wired to the monitor so installation effort is minimized. Cable has only four conductors (two for power and two for communications), further easing the installation effort. Cable is enclosed in a unique wire guide that allows 450° of horizontal travel (225° either side of a center position), which is far more reliable than slip rings or coil cords. Knobs for manual override are provided on the horizontal rotation and elevation drive. TFT's Master ERP nozzles plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 3.5" NH (90 mm) rigid male thread. Other outlets are available. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

All TFT RC monitors are capable of being controlled by multiplex CANbus system or a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.



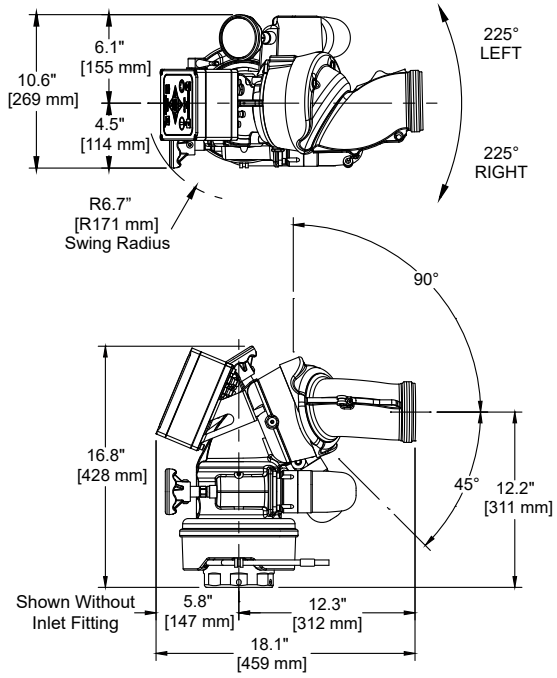
4" ANSI 150 INLET FITTING SHOWN
OTHER INLET FITTINGS SIMILAR

- **High flow waterway design**
- **IP66/67 ingress protection on electronics**

CE

Y4-E11A

37.0 lb (16.8 kg)



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Conversions

3.0" (76 mm) 3.5" (89 mm)
4.0" (102 mm) 4.5" (114 mm)
6.0" (152 mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-E21A is a manual aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

Y4-				A	
Actuation E) Electric	Inlet 1) 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	 L) TFT CODE-RLF for Extend-A-Gun RC3 N) TFT CODE-RPF for VUM and HUM P) TFT CODE-RPF Extend-A-Gun RC4 Q) 4.5" NH Quick Connect for VUM + R) 4.5" NH Quick Connect with 4" ANSI 150 + S) 4.5" NH Quick Connect with 4" NPT Female + T) 4.5" NH Quick Connect with CODE-RLF* + U) 4.5" NH Quick Connect with CODE-RPF** + X) TFT CODE-RRM fits 4" IVUM and OUM +	Outlet 1) 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powder coat (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
+ Horizontal Axis Travel Limited to 135° left/right

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON® RC

Remote Controlled High Clearance - 2000 gpm (7600 l/min) Designed For Ladder and Platform Applications

The Monsoon RC for Ladder or Platform installations is similar to the standard Monsoon RC. This model of Monsoon RC has the control box mounted at the top to give a reduced swing radius, thereby giving more clearance for Ladder Truck or Platform Installations. Knobs for manual override are provided on the horizontal rotation and elevation drive. Also comes with factory installed travel stops to limit the horizontal travel to 180 degrees (90 degrees either side of a center position). Ladder and Platform models include an electronics enclosure and 10' of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module output. The Platform model's electronics enclosure contains an additional 10' cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in PARK position and has contacts that can be connected into the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal nozzle pattern adjustments and programmable PARK and Oscillate. For wireless operation, purchase wireless operator station package on page 187.

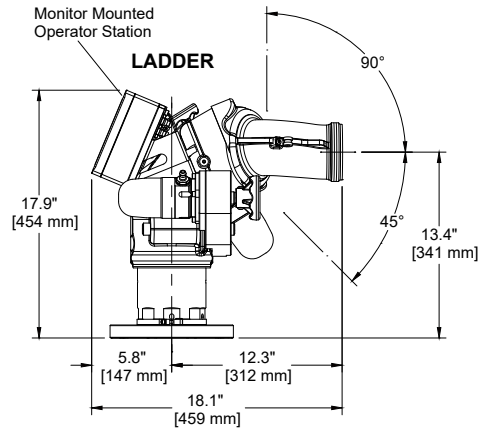
Ladder/platform electronics enclosures includes inputs for DEPLOY monitor, INHIBIT monitor

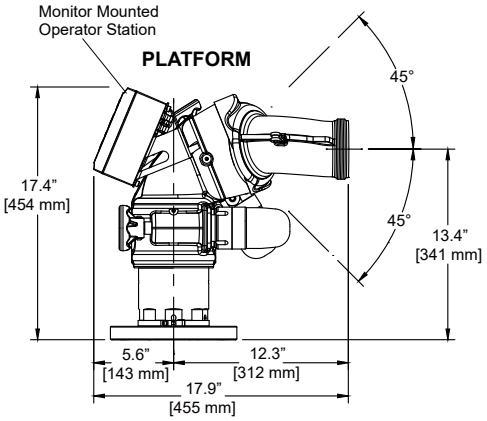


SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Includes Multipoint Aerial/ Interface





Conversions

3.0" (76 mm) 3.5" (89 mm)
4.0" (102 mm) 4.5" (114 mm)
6.0" (152 mm)

Example: Y4-E21A-L is an electric aluminum monitor for ladders with a 4" (102 mm) ANSI 150 flange inlet and 3.5 NH (89mm) male threaded outlet.

Y4-E			A	
Inlet			Outlet	Configuration
1) 3" ANSI 150	L) TFT CODE-RLF*		1) 3.5"-6 NH Male	-L) Ladder
2) 4" ANSI 150	P) TFT CODE-RPF**		2) 3.5"-11 BSP Male	-P) Platform
3) 6" ANSI 150	Q) 4.5" NH Quick Connect for VUM		3) 3.5"-8 NPSH Male	
4) DN80, PN16	R) 4.5" NH Quick Connect with 4" ANSI 150		4) 4.0"-11 BSP Male	
5) DN100, PN16	S) 4.5" NH Quick Connect with 4" NPT Female		9) Special	
6) 3" NPT Female	T) 4.5" NH Quick Connect with CODE-RLF*			
7) 4" NPT Female	U) 4.5" NH Quick Connect with CODE-RPF**			
8) 3" BSP Male	X) TFT CODE-RRM fits 4" IVUM and OUM			
9) 4" BSP Male				

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

THREE BIG WATER NOZZLE OPTIONS!



TSUNAMI™ RC



The TSUNAMI is TFT's largest

highest volume industrial monitor for fixed, trailer, or apparatus use. The monitor offers 600 to 8000 gpm (2300 to 30,000 l/min) flows in manual and RC versions.

MASTER STREAM 4000 ER

- Available in Automatic or Selectable

- Automatic: Adjustable Pressure with flow range of 600 to 4000 GPM (1500 to 16000 l/min)

- Selectable: 2000, 3000 and 4000 GPM (7500, 11000, and 15000 l/min) at 100 psi (7 bar)

- Available with either the Tsunami quick connect or 6" (152 mm) ANSI 150 inlet

- Electric Remote nozzle that easily adjusts from straight stream to a dense fog pattern



VORTEX VERSATILITY

- Add to stacked tips for the ability to go from Straight Stream to Dispersed pattern with no loss to stream flow !

- Available in Electric Remote with Manual Override

STACKED TIPS



Smoothbore SIZE: 3.5" (89 mm)
FLOW RATE: 3260 gpm (12,340 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips

Smoothbore SIZE: 4.5" (114 mm)
FLOW RATE: 5380 gpm (20,360 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips



Smoothbore SIZE: 4" (102 mm)FLOW RATE: 4250 gpm (16,090 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips



Smoothbore SIZE: 5.125" (130 mm)
FLOW RATE: 6980 gpm (26,420 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TSUNAMI™

Manual Monitor - Up To 8000 gpm (30000 l/min)

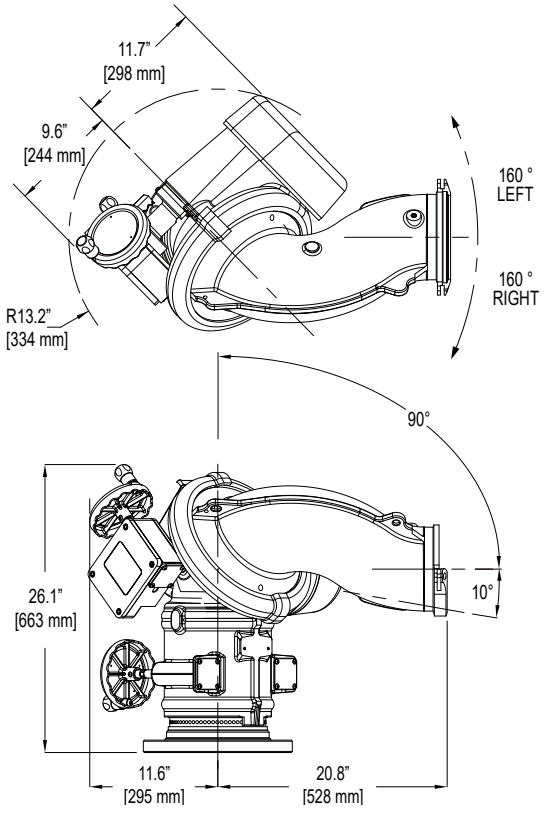
The Tsunami monitor is capable of flowing 8000 gpm (30000 l/min). Waterway with turning vane has only 15 psi (1 bar) friction loss at 8000 gpm (30000 l/min). Elevation range is 90° above horizontal to 10° below. Field changeable elevation travel stops. Horizontal travel is 320° (160° either side of a center position). Field changeable horizontal travel stops. Dual handwheels are provided for horizontal rotation and elevation drive. Main waterway made from hardcoat anodized aluminum. Silver powder coat finish inside and out.



- 8" ANSI (203 mm) 150 flange inlet
- Quick connect outlet
- Handwheels for both axis

Y8-M11A

138.0 lb (62.6 kg)



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TSUNAMI™ RC

Remote Controlled Monitor - Up To 8000 gpm (30000 l/min)

The Tsunami RC is an electric remote controlled monitor capable of flowing 8000 gpm (30000 l/min). Waterway with turning vane has only 15 psi (1 bar) friction loss at 8000 gpm (30000 l/min). Elevation range is 90° above horizontal to 10° below. Field changeable elevation travel stops. Horizontal travel is 320° (160° either side of a center position). Field changeable horizontal travel stops. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Tsunami monitor comes with a control panel on the monitor for horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Handwheel for manual override are provided on the horizontal rotation and elevation drive. Electric drives and control box are waterproof and have a IP66/IP67 rating.. Main waterway made from hardcoat anodized aluminum. Silver powder coat finish inside and out. For wireless operation, purchase wireless operator station and radio/antenna on page 187.

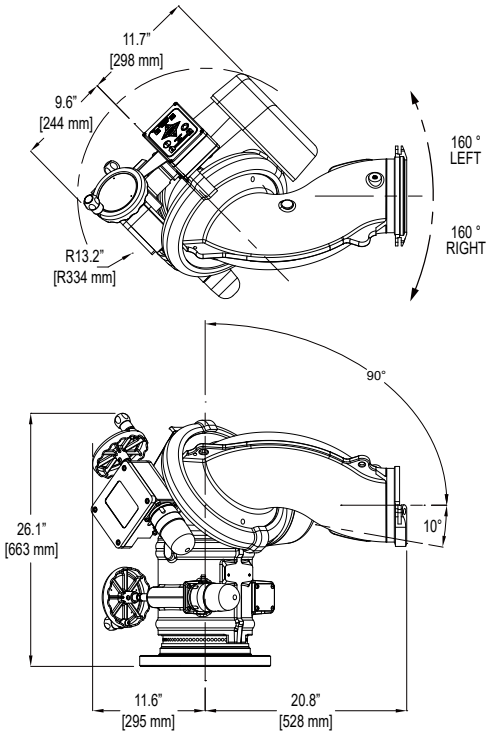


FOR VERTICAL MOUNTING ONLY

- **8" ANSI (203 mm) 150 flange inlet**
- **Quick connect outlet**
- **IP66/67 ingress protection on electronics**

Y8-E11A

140.0 lb (63.5 kg)



National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

TSUNAMI™ STACKED TIPS

Designed for monitor use up to 8000 gpm (30000 l/min), these stacked tips are hardcoat anodized, allow four orifice options, have a built in stream straightener and pressure/flow charts labeled on each tip. Orifice openings are 5.125", 4.5", 4.0", and 3.5". (130 mm, 114 mm, 102 mm and 89 mm). Quick connect inlet coupling for Tsunami monitor is standard.



- Quick connect inlet
- Removable stream straightener for Vortex 6ER installation

YST-8NX

37.0 lb (16.8 kg)

VORTEX® 6ER

Designed for monitor use up to 8000 gpm (30000 l/min), it is intended for installation behind the Tsunami smoothbore nozzles for use with water or fire fighting foam solutions. Six short vanes in the bore of the Vortex reduce turbulence in straight stream. Actuating from "STREAM" to "VORTEX" causes the vanes to pivot proportionally. This induces a gentle spin in the water to create a uniformly dispersed Vortex stream pattern, resulting in virtually no friction loss regardless of which stream pattern is selected. The vanes also allow large debris to easily pass through the Vortex. Manual override included.

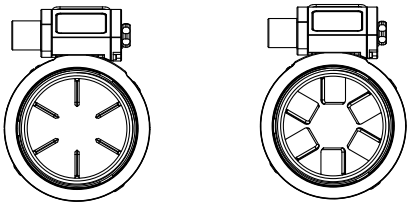


- 6" NHF (152 mm) inlet
- 6" NHM (152 mm) outlet
- Replaces stream straightener section of YST-8NX stacked tips

SVXE

19.90 lbs (9.0 kg)
11.00" Long (27.9 cm)

VORTEX Vane Positions



Straight Stream **Dispersed Pattern**

MASTER STREAM 4000 ER



56.3 lbs (25.5 kg)
19.0" (49.2 cm) Length
13.0" (33.0 cm) Width
10.0" (25.4 cm) Height

The Master Stream 4000 ER series is a super-high volume nozzle capable of flowing up to 4000 gpm (15000 l/min). The automatic version flows 600-4000 gpm (2300-15,000 l/min) and incorporates field adjustable nozzle pressure regulation capable of constant nozzle pressures from 80-120 psi (5.5-8.3 bar).

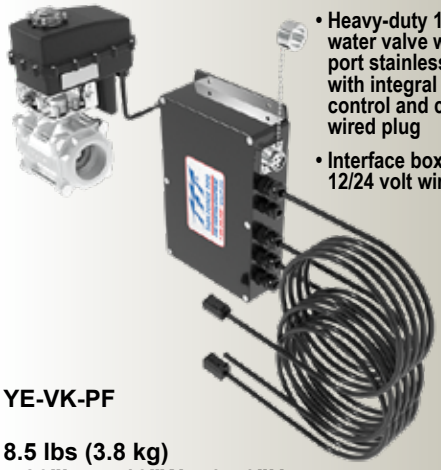
The Selectable version has flow settings of 2000, 3000, and 4000 gpm (7500, 11,000 and 15000 l/min) at 100 psi (7 bar). Continuously variable pattern from straight stream to wide fog. Fog and straight stream adjustments are smooth and are controlled from the TFT monitor controller. Hardcoat anodized aluminum for maximum resistance to corrosion and wear. Quick connect coupling for Tsunami monitor and 6" (152 mm) ANSI flange inlet options available.

MODEL	ATTACHMENT	FLOW	PRESSURE	OPERATING SYSTEM	LIST PRICE
MT-RA2-7QC	TSUNAMI QC	600-4000 gpm (2300-15000 l/min)	80-120 psi (5.5-8.3 bar)	AUTOMATIC	
MT-RA3-6ASA	6" ANSI 150 FLG	600-4000 gpm (2300-15000 l/min)	80-120 psi (5.5-8.3 bar)	AUTOMATIC	
MT-RF2-7QC	TSUNAMI QC	2000/3000/4000 gpm (7500/11000/15000 l/min)	100 psi (7 bar)	SELECTABLE	
MT-RF3-6ASA	6" ANSI 150 FLG	2000/3000/4000 gpm (7500/11000/15000 l/min)	100 psi (7 bar)	SELECTABLE	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VALVE KITS

*Valve operation is controlled through the **Y4E-JS-52 Joystick Monitor Operator Station** or the flow open/close button on any TFT monitor operator station membrane switch. The interface box includes pre-wired 20' cables with receptacles for monitor and water valve plug connections, a 15' cable for power connection to monitor control system, a panel-mounted receptacle with cap for the Y4E-JS-52 Joystick Monitor Operator Station connection, and an unused strain relief fitting for an additional operator station cable. The interface box and all fittings are sealed to keep water out so that it can be mounted outside the truck cab in a convenient location for connections to components.*



- Heavy-duty 1.5" NPT (38 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VK-PF

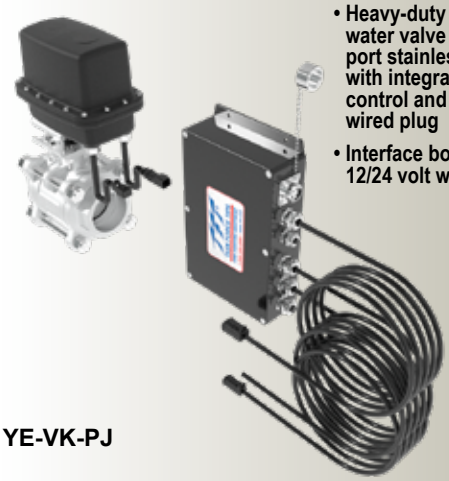
8.5 lbs (3.8 kg)
4.80"L x 7.10"W x 9.40"H
(12.2 x 18.0 x 23.9 cm)



- Heavy-duty 2.0" NPT (51 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VK-PH

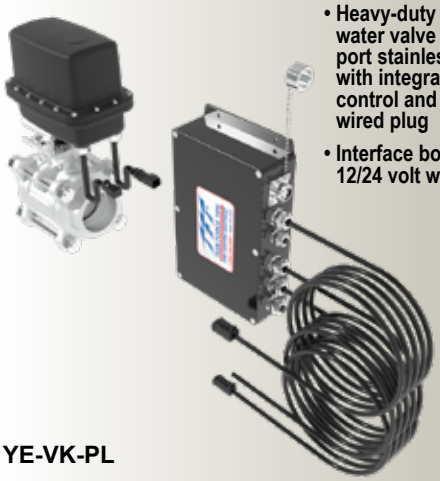
9.0 lb (4.0kg)
5.40"L x 7.10"W x 10.0"H
(13.7 x 18.0 x 25.4 cm)



- Heavy-duty 2.5" NPT (64 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VK-PJ

23.0 lbs (13.2 kg)
6.70"L x 8.60"W x 13.70"H
(17.0 x 21.8 x 34.8 cm)



- Heavy-duty 3.0" NPT (76 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VK-PL

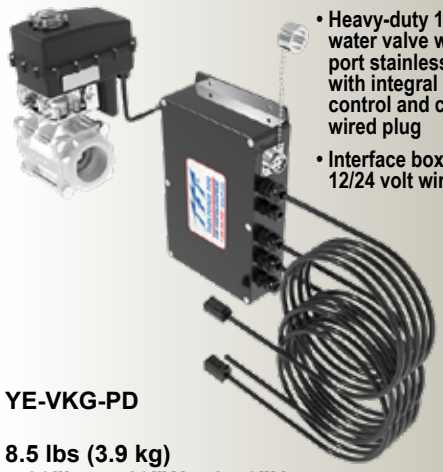
29.0 lbs (13.2 kg)
7.40"L x 8.90"W x 14.30"H
(18.8 x 22.6 x 36.3 cm)

Valve Interface Control Box
Weight 7.0 lb (3.1kg)
Overall Dimensions:
8.80"L x 5.80"W x 2.20"H
(22.4 x 14.7 x 5.6 cm)
(Additional clearance needed for fittings and cable)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

GATEABLE VALVE KITS

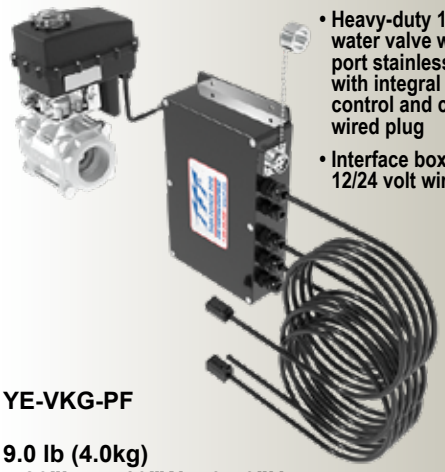
*Valve operation is controlled through the **Y4E-JS-GT Gateable Joystick Monitor Operator Station** or the flow open/close button on any TFT panel mount or tethered monitor operator station membrane switch with digital display. The interface box includes pre-wired 20' (6 m) cables with receptacles for monitor and water valve plug connections, a 15' (4,5 m) cable for power connection to monitor control system, a panel-mounted receptacle with cap for the Y4E-JS-GT Joystick Monitor Operator Station connection, and an unused strain relief fitting for an additional operator station cable. The interface box and all fittings are sealed to keep water out so that it can be mounted outside the truck cab in a convenient location for connections to components.*



- Heavy-duty 1.0" NPT (25 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VKG-PD

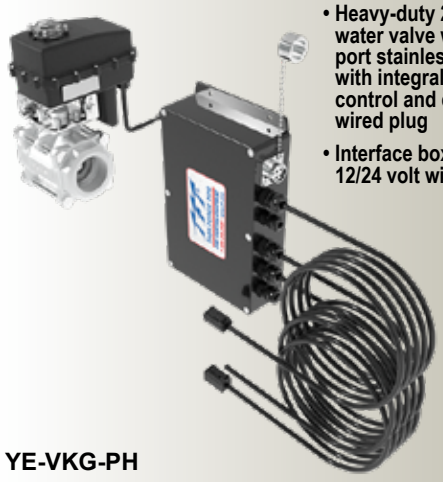
8.5 lbs (3.9 kg)
4.80"L x 7.10"W x 8.40"H
(12.2 x 18.0 x 21.3 cm)



- Heavy-duty 1.5" NPT (38 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VKG-PF

9.0 lb (4.0kg)
4.80"L x 7.10"W x 9.40"H
(12.2 x 18.0 x 23.9 cm)



- Heavy-duty 2.0" NPT (51 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VKG-PH

9.0 lb (4.0kg)
5.40"L x 7.10"W x 10.0"H
(13.7 x 18.0 x 25.4 cm)



- Heavy-duty 3.0" NPT (76 mm) water valve with female full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug
- Interface box for simplified 12/24 volt wire connections

YE-VKG-PL

33.5 lb (15.2kg)
7.40"L x 8.90"W x 14.30"H
(18.8 x 22.6 x 36.3 cm)

Valve Interface Control Box
Weight 7.0 lb (3.1kg)
Overall Dimensions:
8.80"L x 5.80"W x 2.20"H
(22.4 x 14.7 x 5.6 cm)
(Additional clearance needed for fittings and cable)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

REMOTE CONTROL ACCESSORIES

These accessories and components are for use with Tornado RC, Hurricane RC, Typhoon RC and Monsoon RC and allow control of the monitors at remote locations. The Panel Mount, Tethered and Wireless Operator Stations have a waterproof membrane switch to control vertical, horizontal, and nozzle patterns, as well as the programmable PARK and Oscillate. Power, PARK and Oscillate indicator lights are standard. Two Auxiliary buttons are included and require the Remote Auxiliary Function Relay Interface Box or valve kit or Extend-A-Gun RC to control lights, valve controllers or other equipment. All operator stations are equipped with "last button pressed" software so any button presses from the operator station will take over control from any other operator station. These operator stations can also be configured, by an internal DIP switch, as a "master" station so that commands from the operator station cannot be overridden.



PANEL MOUNT MONITOR OPERATOR STATION WITH DISPLAY

- Designed to be mounted in a panel
- Control up to ten TFT RC monitors from one operator station
- Display for advanced system feedback and a backlit control panel for improved visibility
- A 30' (9 m) long cable for incoming power and communication connections is supplied pre-connected

Y4E-RP-D

2.7 lb (1.2kg)
8.00"H x 5.625"W x 3.5"D
(20.3 x 14.3 x 8.9 cm)



PANEL MOUNT MONITOR OPERATOR STATION

- Designed to be mounted in a panel
- Control one electric monitor from a remote location
- A 30' (9 m) long cable for incoming power and communication connections is supplied pre-connected

Y4E-RP

2.7 lb (1.2kg)
8.00"H x 5.625"W x 3.5"D
(20.3 x 14.3 x 8.9 cm)



TEATHERED MONITOR OPERATOR STATION WITH DISPLAY

- Unit is easily configurable for multi-monitor control
- Control up to ten TFT RC monitors from one operator station
- Display for advanced system feedback and a backlit control panel for improved visibility
- Pendant receptacle can be connected to the Panel Mount Operator Station or directly to the monitor
- A 10' (3 m) , 30' (9 m) or 100' (30 m) long cable for attachment to the included receptacle
- Mounting bracket meets NFPA 1901 9G force requirements

Y4E-CT-10-D	Y4E-CT-30-D	Y4E-CT-100-D
7.6 lb (3.4 kg) 7.30" (18.5 cm)	7.6 lb (3.4 kg) 7.30" (18.5 cm)	7.6 lb (3.4 kg) 7.30" (18.5 cm)

Contact customer service for longer tether.



TEATHERED MONITOR OPERATOR STATION

- Control one electric monitor from a remote location
- Pendant receptacle can be connected to the Panel Mount Operator Station or directly to the monitor
- A 10' (3 m) , 30' (9 m) or 100' (30 m) long cable for attachment to the included receptacle
- Mounting bracket meets NFPA 1901 9G force requirements

Y4E-CT-10	Y4E-CT-30	Y4E-CT-100
7.6 lb (3.4 kg) 7.30" (18.5 cm)	7.6 lb (3.4 kg) 7.30" (18.5 cm)	7.6 lb (3.4 kg) 7.30" (18.5 cm)

Contact customer service for longer tether.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

REMOTE CONTROL ACCESSORIES



WIRELESS MONITOR OPERATOR STATION WITH DISPLAY 900 OR 2400 MHZ

- Wireless transmitter will operate up to 500' (152 m) away from the monitor
- Control up to ten TFT RC monitors from one operator station
- Display for advanced system feedback and a backlit control panel for improved visibility
- Mounting bracket meets NFPA 1901 9G force requirements
- Order one radio & antenna for each RC monitor

YE-RF-900-D
YE-RF-2400-D

3.1 lb (1.4kg)
11.30" (28.7cm)



WIRELESS MONITOR OPERATOR STATION 900 OR 2400 MHZ

- Wireless transmitter will operate up to 500' (152 m) away from the monitor
- Control one electric monitor from a remote location
- Mounting bracket meets NFPA 1901 9G force requirements
- Order one radio & antenna for each RC monitor

YE-RF-900
YE-RF-2400

3.1 lb (1.4kg)
11.30" (28.7cm)



WIRELESS MONITOR RADIO AND ANTENNA 900 OR 2400 MHZ

- One radio & antenna for each RC monitor
- When ordered at the same time as the RC monitor, radio & antenna will be installed by TFT assembly personnel

YE-RF-RAD-9
YE-RF-RAD-24



TACTILE TOUCH CONTROLLER

- Operate, Configure and Service any TFT RC monitor
- Controls one RC monitor from the Tactile Touch Controller
- 5.0" (12.7 mm) touch screen display (720x1280p) and an internal rechargeable (non-replaceable) Li-ion battery (4300mAh)
- Requires one YE-BT1 interface adapter per BLUETOOTH® controller

YE-RF-BT

0.46 lb (0.21 kg)
5.75"H x 2.94"W x 0.55"D
(14.6 x 7.5 x 1.4 cm)



BLUETOOTH® ADAPTER

- For RC monitors and Valve Under Monitor (VUM)
- Used with the YE-RF-BT Tactile Touch Controller to control, configure, and service any TFT RC monitor or VUM
- Easily connects in-line to monitor or valve cable

YE-BT1

3oz (85 gms)
5.40"L x 1.64"W x 1.36"H
(13.7 x 4.2 x 3.5cm)



PANEL MOUNTED RECEPTACLE

- Allows tethered monitor operator stations to be connected at additional locations
- A 30' (9m) long 4-conductor cable with a pre-connected receptacle is supplied
- Includes waterproof cap and chain

YE-RECEP-4

30.00ft (9.1m)



PANEL MOUNT RC EXTEND-A-GUN OPERATOR STATION

- Allows the RC Extend-A-Gun to be controlled from a remote location
- Designed to be flush mounted
- Includes 12' (3.6 m) preconnected cable

XGA-RP

1.0 lb (0.5 kg)
5.25" x 3.75"
(13.3 cm x 9.5 cm)

NOTE: This operator station is required if the RC Extend-A-Gun is installed without a TFT RC Monitor. An included 6' (1.8 m) cable must be installed into the RC Extend-A-Gun interface box.



MULTIPLEX INTERFACE FOR RC MONITOR AND VUM

- Converts CANbus signals into serial communications for controlling a TFT RC monitor or valve
- Designed to work on a J1939 CANbus system and allows control of all TFT RC Monitors and RC Valve Under Monitor (VUM)

YE-CAN1

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

REMOTE CONTROL ACCESSORIES



MULTIPLEX ADAPTER FOR RC MONITOR AND VUM

- Converts CANbus signals into serial communications for controlling a TFT RC monitor or valve
- Designed to work on a J1939 CANbus system and allows control of all TFT RC Monitors and RC Valve Under Monitor
- Easily connects in-line to monitor or valve cable

YE-CAN2

3oz (85 gms)
5.40"L x 1.64"W x 1.36"H
(13.7 x 4.2 x 3.5 cm)



ETHERNET INTERFACE CONTROL

- Enables a TFT RC monitor to be connected and controlled via a standard wired Ethernet network
- Designed to be operated from a PC or tablet running a standard web browser
- Includes a pre-wired 10' (3 m) cable with receptacle for monitor connections
- Includes a 10' (3 m) cable for power connections and communication connections to other remote accessories

YE-ETHER

2.5 lb (1.1 kg)
11.30" (28.7 cm)



JOYSTICK MONITOR OPERATOR STATION

- Allows any TFT RC electric monitor to be controlled using a joystick
- Thumb switches control nozzle pattern
- Trigger built into the joystick handle can be used to open and close TFT water valves
- A 10' (3 m) cable is supplied
- Push buttons on top for PARK and OSCILLATE functions as well as monitor DEPLOY
- Additional configurable button can be set up for RC Extend-A-Gun or LED light kit control

Y4E-JS
Y4E-JS-51
Y4E-JS-52

5.0 lb (2.3 kg)
10.00"H x 4.75"W x 4.75"L
(25.4 x 12.1 x 12.1 cm)

Y4E-JS Cable is supplied with stripped wires for connection to control system

Y4E-JS-51 Cable has plug and includes bulkhead receptacle with stripped wires for connection to control system.

Y4E-JS-52 Cable has plug to connect to YE-VK valve interface box

NOTE: Consult factory for instructions to enable proportional speed control.



JOYSTICK MONITOR OPERATOR STATION WITH GATEABLE VALVE CONTROL

- Allows any TFT RC electric monitor to be controlled using a joystick and includes a valve opening adjustment slider to control the valve position on TFT Gateable Valve Kits
- Thumb switches control nozzle pattern
- Trigger built into the joystick handle can be used to operate TFT gateable valves
- Includes a 10' (3 m) cable
- Push buttons on top for PARK and OSCILLATE functions as well as monitor DEPLOY
- Additional configurable button can be set up for RC Extend-A-Gun or LED light kit control

Y4E-JS-GT
Y4E-JS-GT-R
Y4E-JS-GT-NP

5.0 lb (2.3 kg)
10.00"H x 4.75"W x 4.75"L
(25.4 x 12.1 x 12.1 cm)

Y4E-JS-GT has cable and plug to connect to YE-VKG valve interface box.

Y4E-JS-GT-R – Cable has plug and includes bulkhead receptacle with stripped wires for connection to control system.

Y4E-JS-GT-NP – Cable with stripped wires for connection to control system.

NOTE: Consult factory for instructions to enable proportional speed control.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

REMOTE CONTROL ACCESSORIES



MONITOR POSITION DISPLAY

- Shows the stream position of any TFT RC electric monitor
- Buttons for the PARK & Oscillate features and HIGH/LOW speed selection
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected

Y4E-DISP

2.7 lb (1.2 kg)
4.25"L x 4.25"W x 1.30"H
(10.8 x 10.8 x 3.3 cm)



VALVE POSITION DISPLAY

- Five LEDs show the position of any TFT RC Ball Intake Valve or Valve Under Monitor
- Buttons for valve open, stop, close
- Can be quickly and easily set for manual (jog) or automatic (full travel) modes
- A 20' (6 m) long 4-conductor cable w/ Deutsch quick-connect plug for power and communication is supplied pre-connected

A-DISP

2.7 lb (1.2 kg)
4.25"L x 4.25"W x 1.30"H
(10.8 x 10.8 x 3.3 cm)



TOGGLE SWITCH MONITOR OPERATOR STATION

- Allows any TFT RC electric monitor to be controlled using three toggle switches for left/right, up/down, and fog/stream
- Operator station can be surface mounted
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected

Y4E-TS

2.7 lb (1.2 kg)
4.9"L x 3.2"W x 2.2"H
(12.4 x 8.1 x 5.6 cm)



MONITOR COMMUNICATION INTERFACE BOX

- For controlling any TFT RC electric monitor from other inputs such as toggle switches
- Accepts +12/24 VDC signals, but can be field changed to accept ground signals
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected
- A 10' (3 m) long 8 conductor cable for input signals is supplied pre-connected

Y4E-COMM

2.7 lb (1.2 kg)
4.9"L x 3.2"W x 2.2"H
(12.4 x 8.1 x 5.6 cm)



REMOTE AUXILIARY FUNCTION RELAY INTERFACE BOX

- Allows user to utilize the AUX1 and AUX2 buttons located on the monitor operator station
- Two relays that can operate lights, interface to a valve controller or a valve directly
- Contact rating is 16 amps @ 30VDC for resistive loads and 8 amps @ 30VDC for inductive loads
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected

YE-REMAUX

2.7 lb (1.2kg)
4.9"L x 3.2"W x 2.2"H
(12.4 x 8.1 x 5.6 cm)



YE-LK12-KIT

1.7 lb (0.8 kg)
4.30" (10.9 cm) Height

YE-LK24-KIT

1.7 lb (0.8 kg)
4.30" (10.9 cm) Height

YE-LK12-KIT LED SEARCH-LIGHT KIT, 12V - for mounting to remote controlled EF1, Tornado and Typhoon monitors.

YE-LK24-KIT LED SEARCH-LIGHT KIT, 24V - for mounting to remote controlled EF1, Tornado and Typhoon monitors.

CROSSFIRE®

Pumper Combination Package Crossfire & Extend-A-Gun

XFC-71

XFC-71 PACKAGE CONTAINS:
CROSSFIRE Monitor Top
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set



CROSSFIRE TOP INCLUDED

XFT-NJ — 2.5"NH (64 mm) Outlet
Monitor Top 1250 gpm (4750 l/min)

3" BRACKET SET CHOICE

Choice One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13** TUBE/ SADDLE



☐ **XGB-23** PLATE/ SADDLE



☐ **XGB-33** SADDLE/ SADDLE



CHOICE OF EXTEND-A-GUN

Choose One Option ☑



☐ **XG12PL-XL**
3" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extension

☐ **XG12VL-XL**
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extension

☐ **XG18PL-XL**
3" (76 mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extension

☐ **XG18VL-XL**
3" Victaulic (76 mm) Inlet
18" (45.7 cm) Extension

CROSSFIRE®

Pumper Combination Package Crossfire, Stacked Tips & Extend-A-Gun

XFC-72

XFC-72 PACKAGE CONTAINS:
CROSSFIRE Monitor Top
Quad Stack Tips
Choice of Stream Straightener
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set



CROSSFIRE TOP & QUAD TIPS INCLUDED

XFT-NJ — 2.5"NH (64 mm) Outlet
Monitor Top 1250 gpm (4750 l/min)



MST-4NJ — 2.5"NH (64 mm)
4 Stacked Tips Laser Engraved Flow Charts

3" BRACKET SET CHOICE

Choice One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13** TUBE/ SADDLE



☐ **XGB-23** PLATE/ SADDLE



☐ **XGB-33** SADDLE/ SADDLE



CHOICE OF EXTEND-A-GUN

Choose One Option ☑



☐ **XG12PL-XL**
3" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extended Position

☐ **XG12VL-XL**
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extended Position

☐ **XG18PL-XL**
3" (76 mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extended Position

☐ **XG18VL-XL**
3" Victaulic (76 mm) Inlet
18" (45.7 cm) Extended Position

CHOICE OF STREAM STRAIGHTENER

Choose One Option ☑

☐ 

XF-SS5
5" (127 mm)
2.5" NH (64 mm)

☐ 

XF-SS10
10" (254 mm)
2.5" NH (64 mm)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

CROSSFIRE®

Pumper Combination Package Crossfire, Master Stream Nozzle & Extend-A-Gun

XFC-73

XFC-73 PACKAGE CONTAINS:
CROSSFIRE Monitor Top
Choice of Halo Master Stream Nozzle
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set



CROSSFIRE TOP INCLUDED

XFT-NJ — 2.5"NH Outlet (64 mm)
Monitor Top 1250 gpm (4750 l/min)

3" BRACKET SET CHOICE

Choose One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13** TUBE/ SADDLE



☐ **XGB-23** PLATE/ SADDLE



☐ **XGB-33** SADDLE/ SADDLE



CHOICE OF EXTEND-A-GUN

Choose One Option ☑

☐ **XG12PL-XL**
3" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extension

☐ **XG12VL-XL**
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extension

☐ **XG18PL-XL**
3" (76mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extension

☐ **XG18VL-XL**
3" Victaulic (76mm) Inlet
18" (45.7 cm) Extension



CHOICE OF NOZZLE

Choose **One Option** ☑

☐ **M-R1000-NJ — 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-3800 l/min) at 100 psi (7 bar)



☐ **M-RS1000-NJ — 2.5"NH (64 mm)**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
(950, 1300, 2000, 3000, 4000 l/min)
Flow is User Adjusted
gpm is based on 100 psi (7 bar)



☐ **M-RF1000-NJ — 2.5"NH (64 mm)**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure



☐ **M-R1250SNJ — 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1250 gpm flow range
(570-4700 l/min)



OEM INSTALLED PRODUCTS

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

CROSSFIRE®

Pumper Combination Package Crossfire, Portable Base, Stacked Tips, Master Stream & Extend-A-Gun

XFC-62

XFC-62 PACKAGE CONTAINS:
- CROSSFIRE Monitor Top
- Quad Stacked Tips
- Crossfire Storage Bracket
- SAFE-TAK 1250 Base w/Choice of Inlet
- Choice of Halo Master Nozzle
- Choice of Stream Straightener
- Choice of Manual Extend-A-Gun
- Choice of Mounting Bracket Set

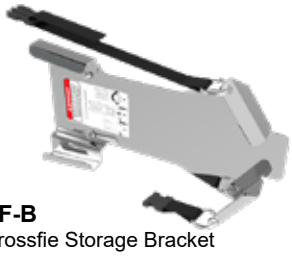
CROSSFIRE TOP, QUAD TIPS & BRACKET INCLUDED



XFT-NJ — 2.5"NH (64 mm) Outlet
Monitor Top 1250 gpm (4750 l/min)



MST-4NJ — 2.5"NH (64 mm)
4 Stacked Tips Laser Engraved Flow Charts



XF-B
Crossfie Storage Bracket

CHOICE OF NOZZLE

Choose **One Option** ☑



☐ **M-R1000-NJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-3800 l/min) at 100 psi (7 bar)

☐ **M-RF1000-NJ - 2.5"NH (64 mm)**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure

☐ **M-RS1000-NJ - 2.5"NH (64 mm)**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
(950, 1300, 2000, 3000, 4000 l/min)
Flow is User Adjusted
gpm is based on 100 psi (7 bar)

☐ **M-R1250SNJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1250 gpm flow range
(570-4700 l/min) at 100 psi (7 bar)

CHOICE OF EXTEND-A-GUN

Choose One Option ☑



☐ **XG12PL-XL**
3" (76 mm) Tapered Pipe Male
12" (30.5 cm) Extended Position

☐ **XG12VL-XL**
3" Victaulic (76 mm)
12" (30.5 cm) Extended Position

☐ **XG18PL-XL**
3" (76 mm) Tapered Pipe Male
18" (45.7 cm) Extended Position

☐ **XG18VL-XL**
3" Victaulic (76 mm)
18" (45.7 cm) Extended Position

CHOICE OF STREAM STRAIGHTENER

Choose One Option ☑



☐ **XF-SS5**
5" (127 mm)
2.5" NH (64 mm)

☐ **XF-SS10**
10" (254 mm)
2.5" NH (64 mm)

SAFE-TAK 1250 BASE w/CHOICE OF INLETS

Choose **One Option** ☑

XFH-*
SAFE-TAK 1250
Portable Base



☐ **XFH-1NL**
Single 3"NH
(76 mm)

☐ **XFH-1NN**
Single 3.5"NH
(89 mm)

☐ **XFH-1NP**
Single 4"NH
(102 mm)

☐ **XFH-1NR**
Single 4.5"NH
(114 mm)

☐ **XFH-2NJ**
Dual 2.5"NH
(64 mm)

☐ **XFH-1SP**
Single 4"Storz
(102 mm)

☐ **XFH-1ST**
Single 5"Storz
(127 mm)

☐ **XFH-1SX**
Single 6"Storz
(152 mm)

CHOICE OF 3" (76 mm) BRACKET SET

Choose One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13**
TUBE/
SADDLE

☐ **XGB-23**
PLATE/
SADDLE

☐ **XGB-33**
SADDLE/
SADDLE



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HURRICANE™

Pumper Combination Package Hurricane, Stacked Tip, Master Stream Nozzle & Extend-A-Gun

XFC-63

XFC-63 PACKAGE CONTAINS:
HURRICANE Monitor
Quad Stacked Tips
Choice of Halo Master Nozzle
Choice of Stream Straightener
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set

FIXED STATION MONITOR & QUAD TIPS INCLUDED



XFI-PLNJ HURRICANE MONITOR
3" (75 mm) Female NPT Inlet
2.5" NH (65 mm) Outlet
1250 gpm (4750 l/min)

FM APPROVED



MST-4NJ - 2.5" NH (64 mm)
4 Stacked Tips
Laser Engraved Flow Charts

CHOICE OF STREAM STRAIGHTENER

Choose **One Option** ☑

☐ 

XF-SS5
5" (127 mm) 2.5" NH (64 mm)

☐ 

XF-SS10
10" (254 mm) 2.5" NH (64 mm)

CHOICE OF EXTEND-A-GUN

Choose One Option ☑

☐ **XG12PL-PL**
3" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extension

☐ **XG12VL-PL**
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extension



☐ **XG18PL-PL**
3" (76 mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extension

☐ **XG18VL-PL**
3" Victaulic (76 mm) Inlet
18" (45.7 cm) Extension

CHOICE OF 3" (76 mm) BRACKET SET

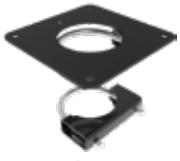
Choose One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13** TUBE/ SADDLE



☐ **XGB-23** PLATE/ SADDLE



☐ **XGB-33** SADDLE/ SADDLE



CHOICE OF NOZZLE

Choose **One Option** ☑



☐ **M-R1000-NJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-3800 l/min) at 100 psi (7 bar)

☐ **M-RS1000-NJ - 2.5"NH (64 mm)**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
(950, 1300, 2000, 3000, 4000 l/min)
Flow is User Adjusted
gpm is based on 100 psi (7 bar)

☐ **M-RF1000-NJ - 2.5"NH (64 mm)**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure



☐ **M-R1250SNJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1250 gpm flow range
(570-4700 l/min) at 100 psi (7 bar)

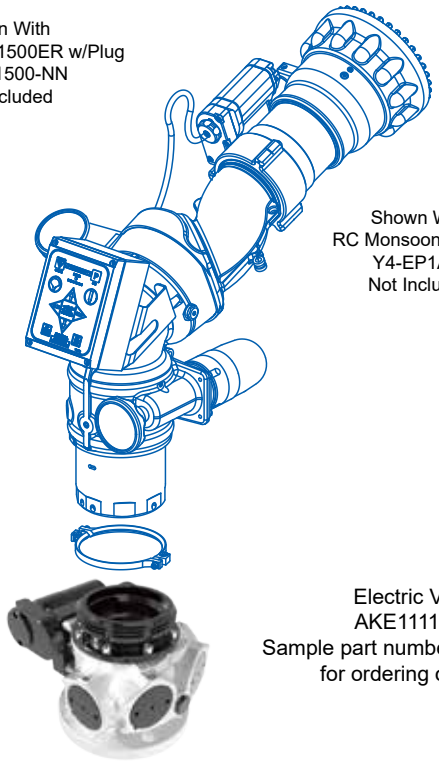
OEM INSTALLED PRODUCTS

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VUM VALVE UNDER MONITOR™

The Valve Under Monitor (VUM) is a lightweight, low friction-loss valve and manifold for installation directly beneath monitors on boats, ladders and platforms. The VUM combines the robust valve mechanism from the TFT Ball Intake Valve with a 4" (102 mm) ANSI 150 inlet and up to four 2.5" (64 mm) outlets. The 2.5" (64 mm) outlets are available with integrated valves, pressure relief valves, automatic drains, male hose threads or female pipe threads. Maximum operating pressure is 300 psi (21 bar). When paired with a TFT monitor, the monitor flange is omitted for additional weight savings and ease of installation. Electric remote controlled (RC) models may be controlled from a dedicated panel mount control, customer supplied switches or from TFT RC Monitor Operator Stations including wireless RC models are designed for 12 VDC or 24 VDC operation, selection is automatic. RC models include an interface enclosure to connect external control signals. These signals can either be hard wired or from a CANbus output module. The interface enclosure includes two relays for customer feedback of open or closed valve status. The interface enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals.

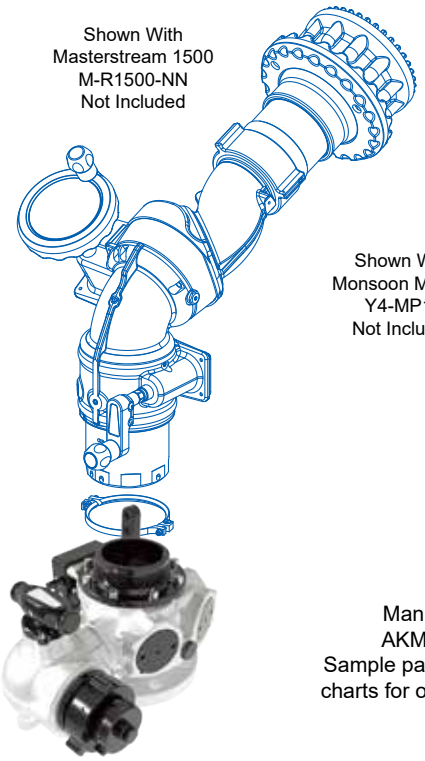
Shown With
Masterstream 1500ER w/Plug
M-ERP1500-NN
Not Included



Shown With
RC Monsoon Monitor
Y4-EP1A-P
Not Included

Electric VUM
AKE111111D
Sample part number. See charts for ordering options.

Shown With
Masterstream 1500
M-R1500-NN
Not Included



Shown With
Monsoon Monitor
Y4-MP1A
Not Included

Manual VUM
AKM111113D
Sample part number. See charts for ordering options

ACCEPTABLE MONITOR INSTALLATIONS (most popular models listed, others available)

TFT CODE-RPF AND QUICK CONNECT MONITORS MEASURING LESS THAN 19" (48.3 cm)	FLANGED MONITORS MEASURING LESS THAN 16" (40.6 cm)	FLANGED MONITORS MEASURING GREATER THAN 16" (40.6 cm)
MONSOON Y4-MP1A or MQ1A	HURRICANE XFI-FPNJ	TYPHOON Y5-D21A *
MONSOON Y4-TP1A or TQ1A	HURRICANE XFIE-FPNJ	TYPHOON Y5-M21A *
MONSOON RC Y4-EP1A or EQ1A	HURRICANE XFIH-D21A *	TYPHOON Y5-T21A *
TYPHOON Y5-DP1A or DQ1A	HURRICANE XFIH-T21A *	TYPHOON RC Y5-EA1A-L
TYPHOON Y5-MP1A or MQ1A	HURRICANE RC XFIH-E21A *	TYPHOON RC Y5-E21A-L *
TYPHOON Y5-TP1A or TQ1A	MONSOON Y4-M21A *	TYPHOON RC Y5-E21A-L20 or L30, or L45 *
TYPHOON RC Y5-EA1A-L	MONSOON Y4-T21A *	TYPHOON RC Y5-E21A-P *
TYPHOON RC Y5-EP1A-L or EQ1A-L	MONSOON RC Y4-E21A *	
TYPHOON RC Y5-EP1A-P or EQ1A-P	*FLANGES (4" ANSI 150 OR DN100 PN16) CAN BE REMOVED FROM MOST TFT MONITORS IN ORDER TO USE THE CODE-RPM DIRECT CONNECTION.	
HURRICANE XFIH-DP1A or DQ1A		
HURRICANE XFIH-TP1A or TQ1A		
HURRICANE RC XFIH-EN1A or EQ1A		
TORNADO Y2-T11A or TV1A		
TORNADO RC Y2-E11A or EV1A		

When ordering a Valve Under Monitor (VUM), choose one option from each category.

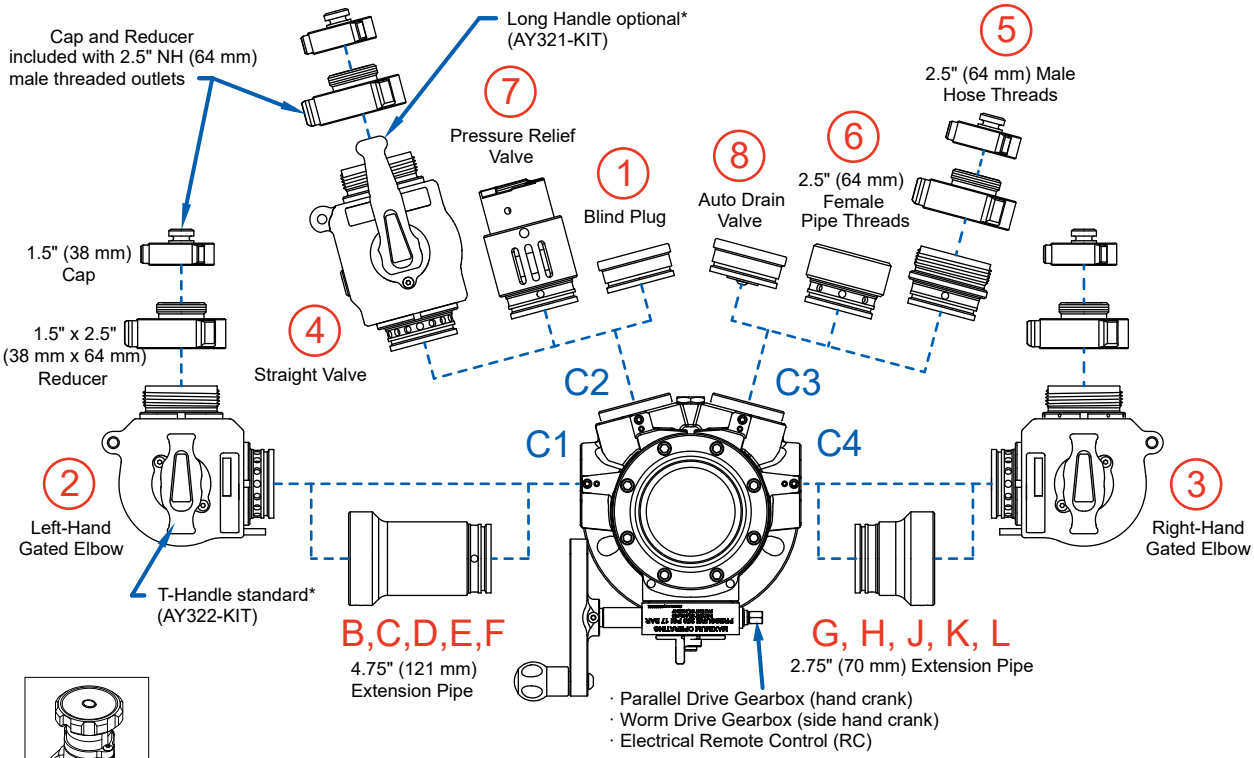
***For example:** Model AKE11111D is an electric drive, ANSI 150 Inlet, CODE-RPM (TFT Monitor Outlet) with blind plugs on ports Ports C1, C2, C3, C4 and has a Ball Drain installed.*

AKM111113D is a crank on side, ANSI 150 Inlet, CODE-RPM (TFT Monitor Outlet), with blind plugs on Ports C1, C2 and C3, a right hand gated elbow on port C4 and has a Ball Drain Installed.

For assistance in ordering, please call 1-800-348-2686 and speak to a VUM specialist.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VUM VALVE UNDER MONITOR™



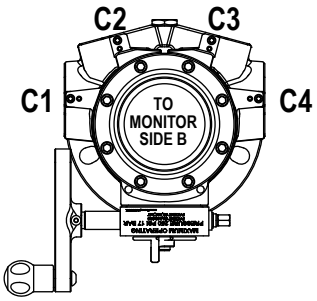
*T-Handle is not compatible with side B option "Q", so Long Handle is standard for those models instead.

Slow Close Valve Option is available on all models. Call for additional information.

CONTACT CUSTOMER SERVICE FOR CONFIGURATIONS AND AVAILABILITY

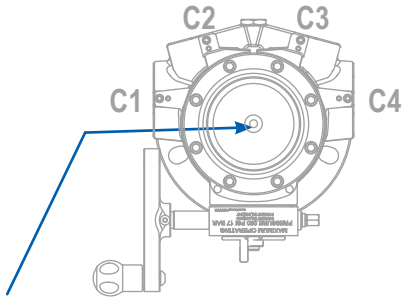
AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4			
Without Extension Pipe		**With 4.75" (121 mm) Extension Pipe**	**With 2.75" (70 mm) Extension Pipe**
1) Blind Plug			
2) 2.5" NH (64 mm) Gated Elbow Left-Hand*			
3) 2.5" NH (64 mm) Gated Elbow Right-Hand*			
4) 2.5" NH (64 mm) Straight Valve*			
5) 2.5" NH (64 mm) Male Threads (no valve)			
6) 2.5" NPT (64 mm) Female Threads (no valve)			
7) Pressure Relief Valve		**Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.**	
8) External Automatic Drain Valve			

AUXILIARY PORT DESIGNATION



Note: Crank is factory configured on left-hand side of valve, but is field reversable for right-hand configuration.

OPTIONAL DRAIN



If the VUM is equipped with an automatic drain valve, the monitor will drain following use to the extent allowable by gravity, the monitor's orientation and its geometry. The drain valve, located in the half ball, is designed to close automatically when pressure exceeds 5 psi (0.3 bar). When pressure drops below 5 psi (0.3 bar), the drain valve will open.

OPTIONAL
3" (76 mm) and 6" (152 mm)
FLANGE
Outlet or Inlet Adapter Available.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4
See Diagram and Chart on page 195
Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

CRANK HANDLE CONTROL (WORM DRIVE GEARBOX)

Dimensional Minimum
AKM11***
19.3 lb (8.8 kg)
6.60” (16.8 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM11***
49.3 lb (22.4 kg)
6.60” (16.8 cm) height
33.20” (84.3 cm) width
24.10” (61.2 cm) depth



- Worm Drive Control
- 4” (102 mm) ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

AKM11

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain, Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKM12***
20.0 lb (9.1 kg)
7.9” (20.1 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM12***
50.0 lb (22.7 kg)
7.9” (20.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Worm Drive Control
- 4” (102 mm) ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

AKM12

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain, Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKM13***
23.9 lb (10.8 kg)
8.7” (22.1 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM13***
53.9 lb (24.4 kg)
8.7” (22.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Worm Drive Control
- 4” (102 mm) ANSI 150 Flange Inlet
- 4” (102 mm) ANSI 150 Flange Outlet

AKM13

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain, Z=No Drain)	TOTAL Plus Aux Port Prices

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Dimensional Minimum
AKM14***
25.0 lb (11.3 kg)
9.9" (25.1 cm) height
12.65 (32.1 cm) width
12.20" (31.0 cm) depth

Dimensional Maximum
AKM14***
55.0 lb (24.9 kg)
9.9" (25.1 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Worm Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° 4" (102 mm) ANSI 150 Flange Outlet

AKM14

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKM1Q1111D
21.7 lb (9.8 kg)
8.20" (20.8 cm) height
12.65" (32.1 cm) width
12.20" (31.0 cm) depth

Dimensional Maximum
AKM1Q***
51.7 lb (23.5 kg)
8.20" (20.8 cm) height
33.20" (84.3 cm) width
24.10" (61.2 cm) depth



- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 4.5" NH (114 mm) Quick Connect Outlet for TFT Monitors and Elbows

AKM1Q

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKM1T1111D
21.5 lb (9.8 kg)
8.1" (20.6 cm) height
12.65" (32.1 cm) width
12.20" (31.0 cm) depth

Dimensional Maximum
AKM1T***
51.5 lb (23.4 kg)
8.1" (20.6 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 2.5" NH (64 mm) Quick Connect Outlet for Tornado Monitor

AKM1T

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKM1V***
17.5 lb (7.9 kg)
6.1" (15.5 cm) height
12.65 (32.1 cm) width
12.20" (31.0 cm) depth

Dimensional Maximum
AKM1V***
47.5 lb (21.5 kg)
6.1" (15.5 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Worm Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" (38 mm) offset Typhoon

AKM1V

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4
See Diagram and Chart on page 195
Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

CRANK HANDLE CONTROL (PARALLEL DRIVE GEARBOX)

Dimensional Minimum
AKP111111D
19.3 lb (8.8 kg)
6.60” (16.8 cm) height
9.40” (23.9 cm) width
13.80” (35.1 cm) depth

Dimensional Maximum
AKP11***
49.4 lb (22.4 kg)
6.6” (16.8 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” (102 mm) ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

AKP11

	AUXILIARY PORTS				BALL	TOTAL
	C1	C2	C3	C4	DRAIN	Plus Aux Port Prices
BASE MODEL					D=Drain Z=No Drain	

Dimensional Minimum
AKP121111D
19.3 lb (8.8 kg)
7.9” (20.1 cm) height
9.4” (23.9 cm) width
13.8” (35.1 cm) depth

Dimensional Maximum
AKP12***
50.1 lb (22.7 kg)
7.9” (20.1 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” (102 mm) ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

AKP12

	AUXILIARY PORTS				BALL	TOTAL
	C1	C2	C3	C4	DRAIN	Plus Aux Port Prices
BASE MODEL					D=Drain Z=No Drain	

Dimensional Minimum
AKP131111D
23.9 lb (10.8 kg)
8.7” (22.1 cm) height
9.4” (23.9 cm) width
13.8” (35.1 cm) depth

Dimensional Maximum
AKP13***
53.9 lb (24.4 kg)
8.7” (22.1 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” (102 mm) ANSI 150 Flange Inlet
- 4” (102 mm) ANSI 150 Flange Outlet

AKP13

	AUXILIARY PORTS				BALL	TOTAL
	C1	C2	C3	C4	DRAIN	Plus Aux Port Prices
BASE MODEL					D=Drain Z=No Drain	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Dimensional Minimum
AKP14***
25.0 lb (11.3 kg)
9.9" (25.1 cm) height
9.40" (23.9 cm) width
13.80" (35.1 cm) depth

Dimensional Maximum
AKP14***
55.0 lb (24.9 kg)
9.9" (25.1 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° 4" (102 mm) ANSI 150 Flange Outlet

AKP14

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKP1Q1111D
21.4 lb (9.7 kg)
8.20" (20.8 cm) height
9.40" (23.9 cm) width
13.80" (35.1 cm) depth

Dimensional Maximum
AKP1Q***
51.4 lb (23.3 kg)
8.2" (20.8 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 4.5" NH (114 mm) Quick Connect Outlet for TFT Monitors and Elbows

AKP1Q

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKP1T1111D
21.2 lb (9.6 kg)
8.1" (20.6 cm) height
9.4" (23.9 cm) width
13.8" (35.1 cm) depth

Dimensional Maximum
AKP1T***
51.2 lb (23.2 kg)
8.1" (20.6 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 2.5" NH (64 mm) Quick Connect Outlet for Tornado Monitor

AKP1T

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKP1V***
17.5 lb (7.9 kg)
6.1" (15.5 cm) height
9.40" (23.9 cm) width
13.80" (35.1 cm) depth

Dimensional Maximum
AKP1V***
47.5 lb (21.5 kg)
6.1" (15.5 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" (38 mm) offset Typhoon

AKP1V

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4
See Diagram and Chart on page 195
Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

ELECTRIC REMOTE CONTROL (RC)

Dimensional Minimum
AKE111111D
23.7 lb (10.8 kg)
6.6” (16.8 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE11***
53.7 lb (24.4 kg)
6.6” (16.8 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet



Includes Interface Enclosure

AKE11

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE112111D
24.4 lb (11.1 kg)
7.9” (20.1 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE12***
54.4 lb (24.7 kg)
7.9” (20.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet



Includes Interface Enclosure

AKE12

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE131111D
28.2 lb (12.8 kg)
8.7” (22.1 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE13***
58.2 lb (26.4 kg)
8.7” (22.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- 4” (102 mm) ANSI 150 Flange Outlet



Includes Interface Enclosure

AKE13

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

VUM VALVE UNDER MONITOR™

Dimensional Minimum
AKE14***
29.4 lb (13.3 kg)
9.9” (25.1 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE14***
59.4 lb (26.9 kg)
9.9” (25.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- 22.5° 4” (102 mm) ANSI 150 Flange Outlet



Includes Interface Enclosure

AKE14

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE1Q1111D
26.0 lb (11.8 kg)
8.2” (20.8 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE1Q***
56.0 lb (25.4 kg)
8.2” (20.8 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- 4.5” NH (114 mm) Quick Connect Outlet for TFT Monitors and Elbows



Includes Interface Enclosure

AKE1Q

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE1T1111D
21.2 lb (9.6 kg)
8.1” (20.6 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE1T***
51.2 lb (23.2 kg)
8.1” (20.6 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- 2.5” NH (64 mm) Quick Connect Outlet for Tornado Monitor



Includes Interface Enclosure

AKE1T

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE1V***
21.9 lb (9.9 kg)
6.1” (15.5 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE1V***
51.9 lb (23.5 kg)
6.1” (15.5 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4” (102 mm) ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5” (38 mm) offset Typhoon



Includes Interface Enclosure

AKE1V

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BIV BALL INTAKE VALVE™ RC

The Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Ball Intake Valve with the addition of powered operation. A large handwheel is installed on the drive shaft for immediate manual override. Designed for 12 VDC or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for the connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick connect electric plug. Six seconds from open to close meets NFPA 1901 slow close requirement. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Contact TFT customer service for configurations not shown. Pressure Loss Chart is located on page 234

- **Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations**
- **To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram**
- **To add an additional Vent/Drain for the BIV order A1621-KIT**
- **For additional control heads order A-DISP (page 189)**
- **All 6" Storz couplings have an adjustable seal compression feature**





Control Box

- **Control box has five LEDs to show position of the valve**
- **Buttons for valve open, stop, close**
- **Can be quickly and easily set for manual (jog) or automatic (full travel) modes**

Dimensional Maximum
AB7HNX-NX-RC
40.0 lbs (18.0 kg)
16.50" (42.0 cm) Height
13.00" (33.6 cm) Width
14.00" (35.8 cm) Depth

AB3ST-NX-RC
SAMPLE PART NUMBER.
Specify inlet and outlet from chart.

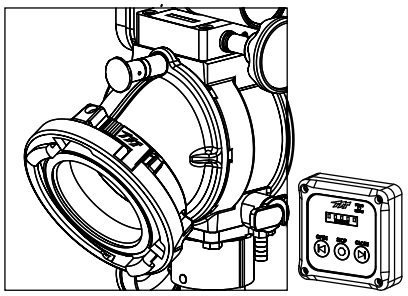
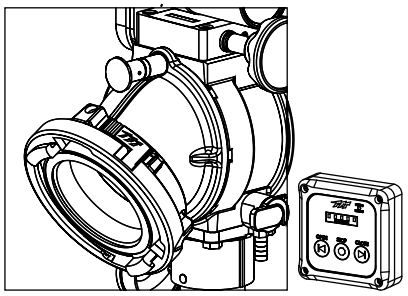
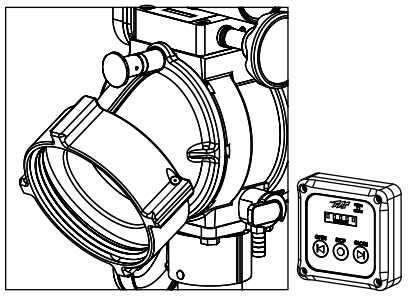
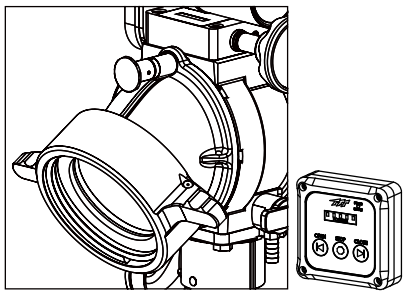
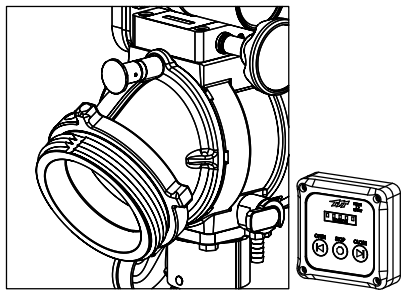
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB with AC. AC denotes no PRV, deduct $265 from the appropriate AB or AC published list price.

Pressure Relief Valve information is located on page 127. Suction Screen information is located on page 226, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	**4.5" NH (114 mm)** Pump Inlet Adapter
6" NH (152 mm) Threaded Male	**AA9NX-NP**	**AA9NX-NR**

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

	Side B		Side A	
AB			—	— RC
	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+		NT) 5.0" (127 mm) Threaded Swivel NX) 6.0" (152 mm) Threaded Swivel	
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+			
	7NN) 3.5" (89 mm) Threaded Swivel 7NP) 4.0" (102 mm) Threaded Swivel 7NR) 4.5" (114 mm) Threaded Swivel 7NT) 5.0" (127 mm) Threaded Swivel			
	7HNP) 4.0" (102 mm) Threaded Swivel Handle 7HNR) 4.5" (114 mm) Threaded Swivel Handle 7HNT) 5.0" (127 mm) Threaded Swivel Handle 7HNX) 6.0" (152 mm) Threaded Swivel Handle			
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid			

AB		-		- R C

(Choose Side B/Side A suffix from table)
Example: 5.0" (127 mm) Rocker Lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A would be

AB	7 N T	-	N X	- R C

+ All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BIV JUMBO BALL INTAKE VALVE™ RC

The Jumbo Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Jumbo Ball Intake Valve with the addition of powered operation. A handwheel is installed on the drive shaft for immediate manual override. Designed for 12 or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for the connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick connect electric plug. Six seconds from open to close, meets NFPA 1901 slow close requirement. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Contact TFT customer service for configurations not shown. Pressure Loss Chart on page 234

- **Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations**
- **To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page 229 for diagram**
- **To add an additional Vent/Drain for the Jumbo BIV order A1621-KIT**
- **For additional control heads order A-DISP (page 189)**




Control Box

- **Control box has five LEDs to show position of the valve**
- **Buttons for valve open, stop, close**
- **Can be quickly and easily set for manual (jog) or automatic (full travel) modes**

Dimensional Maximum
AX7HNX-NX-RC
40.0 lbs (18.0kg)
17.60" (44.7 cm) Height
13.00" (33.0 cm) Width
15.50" (39.4 cm) Depth

***Side A = NY**
***Side A = ST**
***Side A = SX**

SAMPLE PART NUMBER.
Specify inlet and outlet from chart.

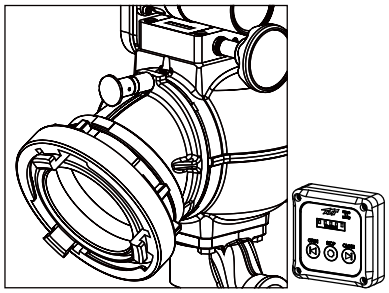
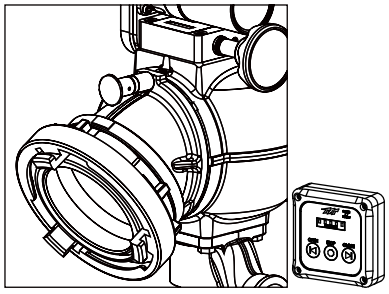
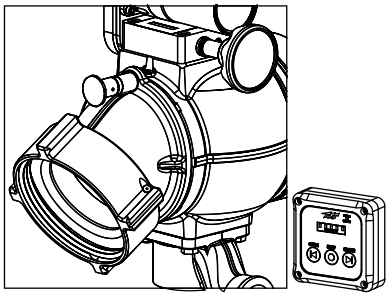
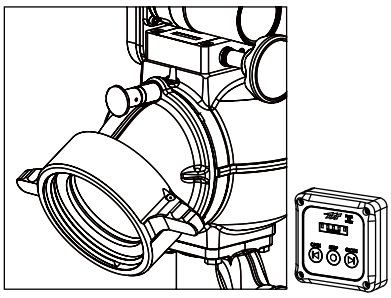
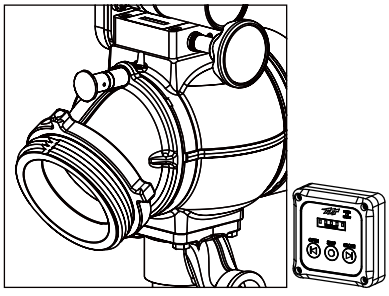
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX(AP) with AZ(AQ). AZ(AQ) denotes no PRV, deduct $265 from the appropriate AX or AP published list price.

Pressure Relief Valve information is located on page 127. Suction Screen information is located on page 226, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	**4.5" NH (114 mm)** Pump Inlet Adapter
6" NH (152 mm) Threaded Male	**AA9NX-NP**	**AA9NX-NR**

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

AX/AP	Side B		—	Side A	—	RC
	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+			NP) 4.0" (102 mm) Long Handle Female Coupling NR) 4.5" (114 mm) Long Handle Female Coupling NT) 5.0" (127 mm) Long Handle Female Coupling NX) 6.0")152 mm) Female Threaded Swivel NY) 8.0" (203 mm) Female Threaded Swivel * ST) 5.0" (127 mm) Storz swivel * SX) 6.0" (152 mm) Storz swivel *+		
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+					
	7NN) 3.5" (89 mm) Threaded Swivel 7NP) 4.0" (102 mm) Threaded Swivel 7NR) 4.5" (114 mm) Threaded Swivel 7NT) 5.0" (127 mm) Threaded Swivel					
	7HNP) 4.0" (102 mm) Threaded Swivel Handle 7HNR) 4.5" (114 mm) Threaded Swivel Handle 7HNT) 5.0" (127 mm) Threaded Swivel Handle 7HNX) 6.0" (152 mm) Threaded Swivel Handle					
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid					

AX		-		-	RC

(Choose Side B/Side A suffix from table)
Example: 5.0" (127 mm) Rocker Lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A would be

AX	7	N	T	-	N	X	-	R	C

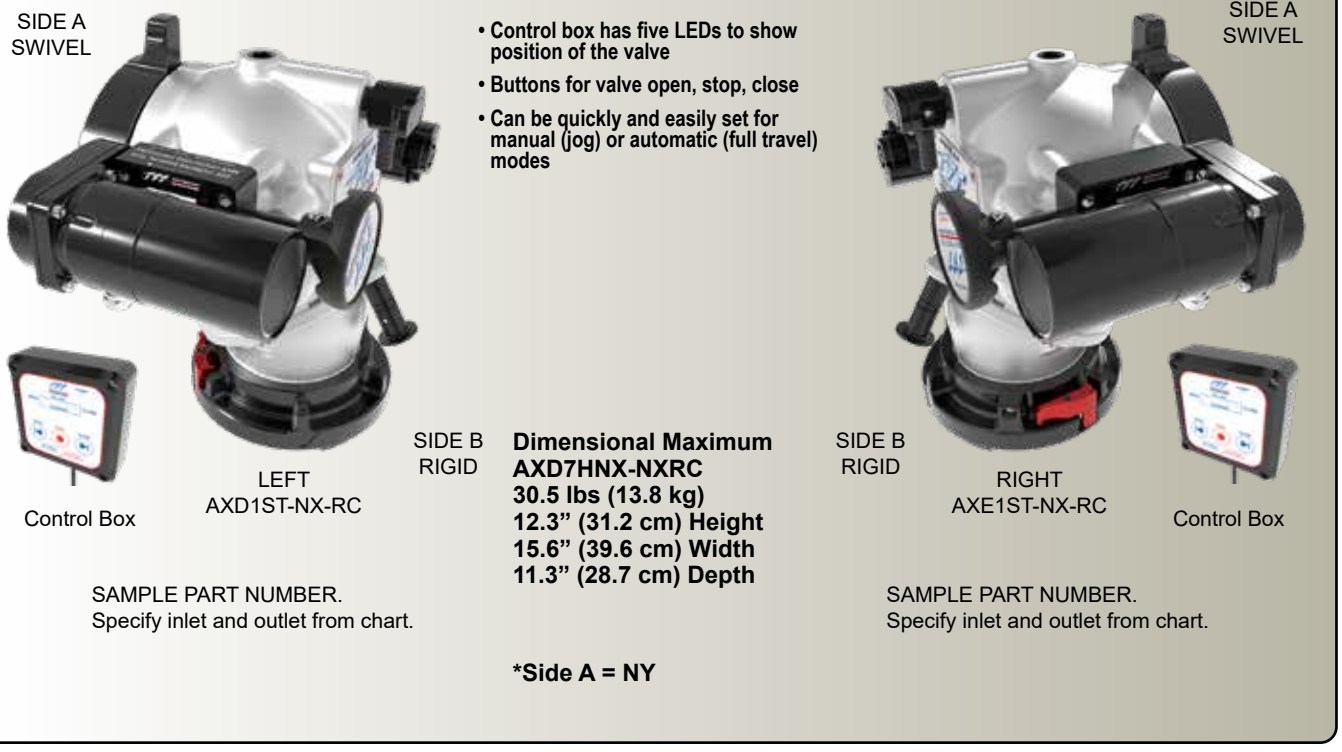
+ All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BIV JUMBO LOW PROFILE BALL INTAKE VALVE™ RC

AXD Series – The Jumbo Low Profile Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Jumbo Low Profile Ball Intake Valve with the addition of powered operation. A large knob is installed on the drive shaft for immediate manual override. Designed for 12 or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick-connect electric plug. Six seconds from open to close, meets NFPA 1901 slow close requirement. The valve is designed for pressure or vacuum service. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. A rugged ¼-turn Air Vent at the top of the valve allows air to be bled quickly. TFT's adjustable Pressure Relief Valve (PRV) is installed with the discharge pointing downward and meets NFPA 1901. The aluminum castings are hardcoat anodized, and TFT Powder Coated finished inside and out for maximum corrosion protection. All wetted components are aluminum alloys to prevent galvanic corrosion, and are specially coated for additional corrosion protection. Hose coupling and truck connections are attached to the valve using polymer bearing rings which can provide electrical isolation to help prevent galvanic corrosion. The Jumbo Low Profile Ball Intake Valve RC is covered by a 10 year warranty. Contact TFT customer service for configurations not shown. Friction loss is 5 psi (0.3 bar) at 2000 gpm (7570 l/min); Pressure Loss Chart is located on page 234

The Low Profile Jumbo Intake Value series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.



If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD or AXE with AZE. AZD or AZE denotes no PRV, deduct $265 from the appropriate AXD or AXE published list price.

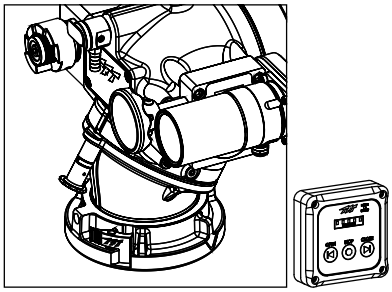
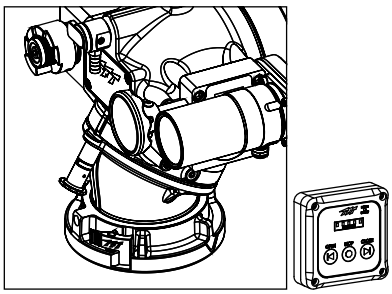
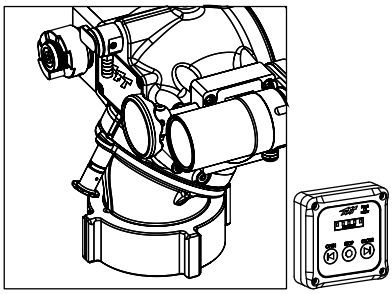
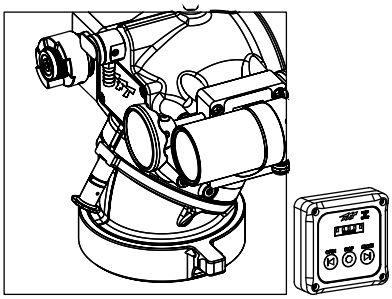
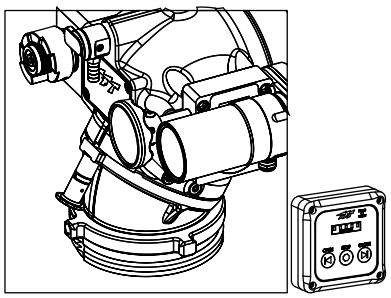
Pressure Relief Valve information is located on page 127. Suction Screen information is located on page 226, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	4.5" NH (114 mm) Pump Inlet Adapter
6" NH (152 mm) Threaded Male	AA9NX-NP	AA9NX-NR

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

BIV JUMBO LOW PROFILE BALL INTAKE VALVE™ RC

Motor Side	Side B		Side A
		—	— RC
AXD) Left **AXE)** Right	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+		NT) 5.0" (127 mm) Threaded Swivel NX) 6.0" (152 mm) Threaded Swivel NY) 8.0" (203 mm) Threaded Swivel*
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+		
	7NN) 3.5" (89 mm) Threaded Swivel 7NP) 4.0" (102 mm) Threaded Swivel 7NR) 4.5" (114 mm) Threaded Swivel 7NT) 5.0" (127 mm) Threaded Swivel		
	7HNP) 4.0" (102 mm) Threaded Swivel Handle 7HNR) 4.5" (114 mm) Threaded Swivel Handle 7HNT) 5.0" (127 mm) Threaded Swivel Handle 7HNX) 6.0" (152 mm) Threaded Swivel Handle		
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid		

AX*		-		-	RC

(Choose Left or Right Side B/Side A suffix from table)
Example: Left 4.0" (102 mm) Rocker Lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A would be

AXD	7	N	P	-	N	X	-	RC

+ All 6" Storz couplings have an adjustable seal compression feature.

OEM INSTALLED PRODUCTS

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Industrial Products Table of Contents

The Purple category includes industrial products that typically are installed in industrial facilities and often have special certification such as Factory Mutual or ATEX. This category includes fixed gallonage industrial master stream nozzles, manual and remote control monitors, and hydrant related valves.



ATEX APPROVED

ATEX Approved RC Monitors and Nozzles 209
ATEX RC Monitors 210

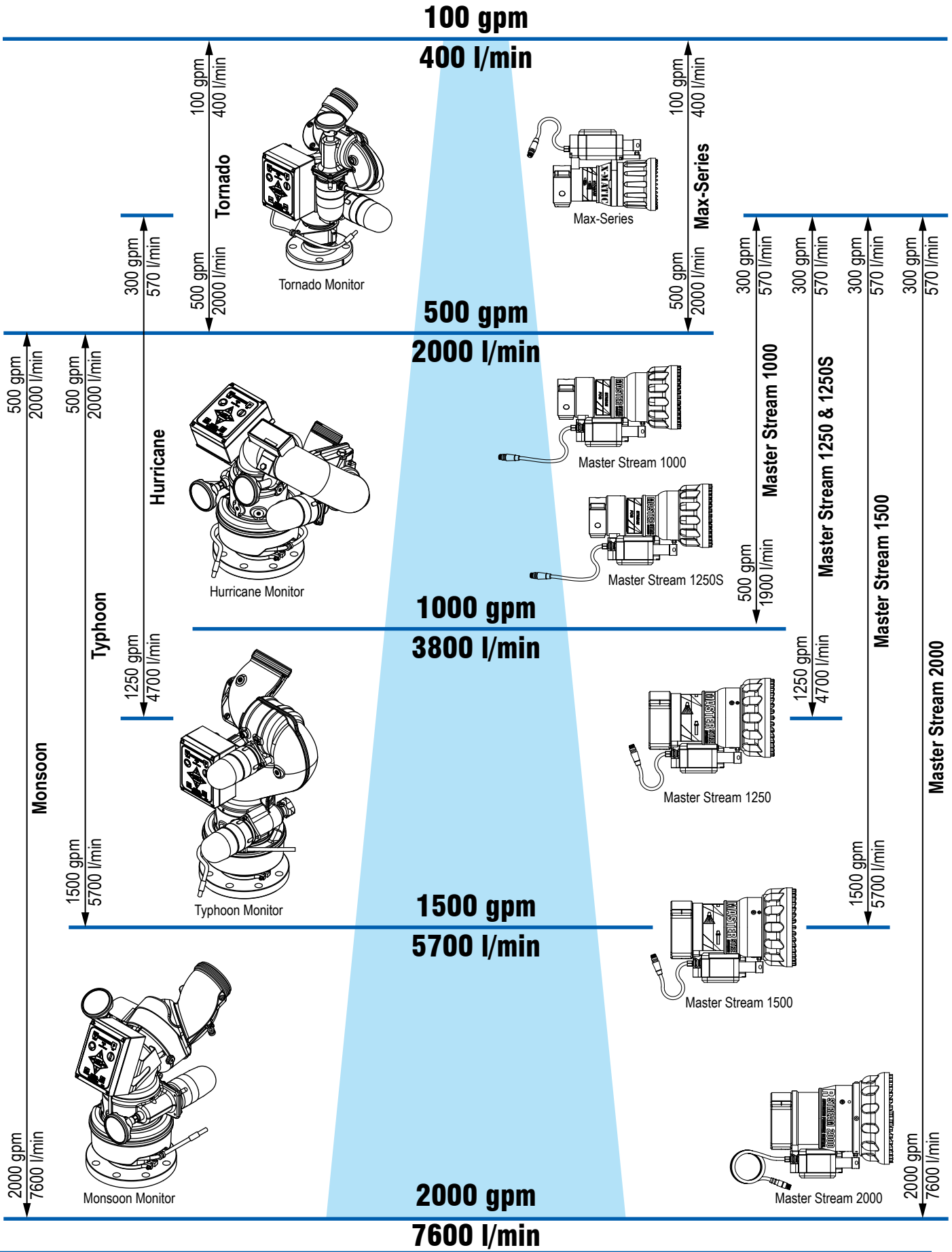
STATION MONITOR

Protector Station Monitor 211
Flanged Monitor Series 212
Tornado OSC Series 213

INDUSTRIAL

ZN, ZM, ZO Industrial Nozzles 214
IVUM (Industrial Valve Under Monitor) 215
HUM Hydrant Under Monitor. 216-218
Booster and Booster OSC 219-221
The Ultimate Combo. 222
Quick Connect Inlet Adapters 223
Quick Connect Elbow 224

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

ATEX MONITORS

TFT ATEX RC Monitors are electrically operated with high flow and low friction loss characteristics. Designed for 12 VDC or 24 VDC operation, selection is automatic. Horizontal and elevation stream positions are controlled by strong DC motors and a factory installed control panel mounted on the monitor. Position encoders and current limiting are used to protect the drive train at the ends of travel. Field changeable stops for horizontal rotation and elevation are included. Available with various inlets and outlets. TFT's ERP nozzle plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof, meeting requirements for an IP65 rating. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum with red powder coat finish inside and out.

TFT ATEX RC Monitors are designed, tested and approved for use in Classified Hazardous Locations as defined by European Directive 94/9/EC, commonly referred to as the ATEX Directive. Further classification identifies that Zone 2, Category 3 environments are suitable locations for this equipment. It is important to note that only the RC Monitor and Nozzle are certified for installation in the hazardous area. TFT RC Monitor Operator Stations may be used to control monitor functions, but must be installed outside of the hazardous area according to application requirements. It is the responsibility of the facility design engineer to determine suitable location and connection of components for use in the hazardous environment based on electrical, mechanical, hydraulic, and hazardous location classification requirements.

TFT ATEX RC Monitors are shipped for use with wired controls/ operator stations. For 2.4 GHz wireless control, please consult factory for ordering details



TORNADO

Information Page 162

Y2-E A-A

Inlet 1) 2.5"-7.5 NH (64 mm) Female 2) 2.5"-11 BSP (64 mm) Female 3) 2.0"-11 BSP (51 mm) Female 5) DN80, PN16 6) 2.5" (64 mm) ANSI 150 7) 2.5"-8 NPT (64 mm) Female 8) 2.0"-11.5 NPT (51 mm) Female 9) 3.0" -8 NPT (76 mm) Female	**Outlet** 1) 2.5"-7.5 NH (64 mm) Male 2) 2.5"-11 BSP (64 mm) Male 3) 1.5"-11 BSP (38 mm) Male 4) 1.5"-9 NH (38 mm) Male



HURRICANE

Information Page 167

XFIH-E A-A

Inlet 1) 3" (76 mm) ANSI 150 2) 4" (102 mm) ANSI 150* 4) DN80, PN16 5) DN100, PN16 6) 3" NPT (76 mm) Female 7) 4" NPT (102 mm) Female 8) 3" BSP (76 mm) Male 9) 4" BSP (102 mm) Male	**Outlet** 1) 2.5" - 7.5 NH (64 mm) Male 2) 2.5“ - 11 BSP (64 mm) Male
* Includes galvanic isolation sleeve	



TYPHOON

Information Pages 170

Y5-E A-A

Inlet 1) 3" (76 mm) ANSI 150 2) 4" (102 mm) ANSI 150 5) DN100, PN16 6) 3" NPT (76 mm) Female 7) 4" NPT (102 mm) Female	**Outlet** 1) 3.5"-6 NH (89 mm) Male 2) 3.5"-11 BSP (89 mm) Male 4) 4.0"-11 BSP (102 mm) Male



MONSOON

Information Page 179

Y4-E A-A

Inlet 1) 3" (76 mm) ANSI 150 2) 4" (102 mm) ANSI 150 3) 6" (152 mm) ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT (76 mm) Female 7) 4" NPT (102 mm) Female 8) 3" BSP (76 mm) Male 9) 4" BSP (102 mm) Male	**Outlet** 1) 3.5"-6 NH (89 mm) Male 2) 3.5"-11 BSP (89 mm) Male 3) 3.5"-8 NPSH (89 mm) Male 4) 4.0"-11 BSP (102 mm) Male 5) 2.5" - 7.5 NH (64 mm) Male

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

PROTECTOR™ STATION MONITOR

Fixed Station Monitor flows up to 1250 GPM (4750 l/min)

The Task Force Tips' Protector is a simple and rugged fixed station monitor with many unique features. Its patented waterway gives low friction loss and delivers water to the nozzle with fewer twists and turns than a conventional monitor. The optional built-in on/off valve with position indicator eliminates the need to add a costly valve to the monitor installation. The Protector is capable of flowing up to 1250 gpm (4750 l/min) while maintaining a FULL 360° rotational ability. The lever-action rotational lock is activated in one motion, visually confirmed, and securely holds the monitor's horizontal position. The Protector can be directly bolted to many common pipe flanges. The outlet is available with various 2.5" (65mm) male threads. The simple and basic design requires no grease application or other maintenance. Swiveling elements and seals (including valve seat) can be replaced within a few minutes with common hand tools. Threaded ports (0.25" NPT) (6mm) are provided for drain valve (included) and pressure gauge installation. Maximum pressure is 250 psi (17 bar). The Protector is hardcoat anodized ANSI 356-T6 aluminum and is fully powder coat finished inside and out. Swivel clamps, 3" (75mm) valve ball, trunnions, and hardware are 18-8 stainless steel.



- 2.5" (64 mm) threaded exit
- On/off valve
- See chart for specific inlet and outlet options

Z1111A

35.2 lb (16.0kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Z11 A

Inlet 1) 3" (76 mm) ANSI 150 2) 4" (102 mm) ANSI 150* 4) DN80, PN16 5) DN100, PN16	Outlet 1) 2.5" (64 mm) - 7.5 NH 2) 2.5" (64 mm) - 11 BSP 3) 2.5" (64 mm) - 11.5 NPSH 9) SPECIAL THREADS
* Includes galvanic isolation sleeve	

OPTIONAL 6" (152 mm) FLANGE INLET ADAPTER AVAILABLE



- 2.5" (64 mm) threaded exit
- Without on/off valve
- See chart for specific inlet and outlet options

Z1211A

27.8 lb (12.6kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Z12 A

Inlet 1) 3" (76 mm) ANSI 150 2) 4" (102 mm) ANSI 150* 4) DN80, PN16 5) DN100, PN16	Outlet 1) 2.5" (64 mm) - 7.5 NH 2) 2.5" (64 mm) - 11 BSP 3) 2.5" (64 mm) - 11.5 NPSH 9) SPECIAL THREADS
* Includes galvanic isolation sleeve	

OPTIONAL 6" (152 mm) FLANGE INLET ADAPTER AVAILABLE

INLET SPECIFICATIONS

FITS FLANGE	OUTSIDE DIAMETER	THICKNESS	BOLT HOLE CIRCLE	NUMBER OF BOLTS	SIZE OF BOLTS
3" (76 mm) ANSI 125/150 DN80 PN20	7.50" (190.5 mm)	0.75" (19.1 mm)	6.00" (152.4 mm)	4	5/8" M16
4" (102 mm) ANSI 150 DN100 PN20	9.00" (228.6 mm)	0.94" (23.9 mm)	7.50" (190.5 mm)	8	5/8" M16
DN80 PN16	200 mm	22 mm	160 mm	8	16 mm
DN100 PN16	220 mm	22 mm	180 mm	8	16 mm

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLANGED MONITOR SERIES

The FLANGED OSCILLATING MONITOR can be used for exposure protection, cooling, or any other situation where it is desirable to have a monitor sweep back and forth. It is intended for mounting on fixed piping structures and is offered with a 3" (76 mm) ANSI I50 or 4" (102 mm) ANSI I50 150/DN100 PN16 inlet flange. The Flanged Oscillating Monitor operates between 20° either side of center, and is adjustable to 90° up and 45° down relative to the flange. The maximum flow rate is 500 gpm (2000 l/min). The sweep can be set for a 20, 30, or 40° sweep. The oscillating mechanism can be disengaged and the stream can be aimed manually. The speed of the oscillator is a function of the flow rate.

- **Elbows and oscillator rotate and lock into position**
- **The oscillating outlet component can be rotated to allow side to side, up and down, or any angle in between.**



XX-OSC-**

21.0 lb (9.5 kg)
6.7" (17.0 cm) Height
7.4" (18.8 cm) Width
16.3" (41.4 cm) Depth

XX-OSC-

SIDE A - Inlet Flange	SIDE B - Outlet
A) 3" (76 mm) ANSI 150 **B)** 4" (102 mm) ANSI 150/DN100 PN16	**A)** 2.5" (64 mm) NH **B)** 2.5" (64 mm) BSP **C)** 2.5" (64 mm) NPSH **D)** SPECIAL THREADS

OPTIONAL 6" (152 mm) FLANGE INLET ADAPTER AVAILABLE

OSCILLATING MONITOR
XX-OM-**



10.9 lb (4.9 kg)
10.4" (26.4 cm) Length
8.5" (21.6 cm) Width
7.1" (18.0 cm) Height

XX-OM-

SIDE A - Inlet	SIDE B - 2.5" (64 mm) NH Male
BL) 3" (76 mm) BSP Male **FL)** 3" (76 mm) ANSI 150 Flange **PL)** 3" (76 mm) NPT Male	

The FLANGED MONITOR MOUNT is intended for mounting on fixed piping structures and is offered with a 3" (76 mm) ANSI 150 or 4" (102 mm) ANSI 150/DN100 PN 16 inlet flange. The elbow is adjustable to 90° up and 45° down relative to the flange. Maximum flow rate is 500 gpm (2000 l/min).



XX-**
$1010.00
11.5 lb (5.2kg)
6.7" (17.0 cm) Height
7.4" (18.8 cm) Width
5.9" (15.0 cm) Depth

- **Elbows rotate and lock into position**

XX-

SIDE A - Inlet Flange	SIDE B - Outlet
A) 3" (76 mm) ANSI 150 **B)** 4" (102 mm) ANSI 150/DN100 PN16	**A)** 2.5" (64 mm) NH **B)** 2.5" (64 mm) BSP **C)** 2.5" (64 mm) NPSH **D)** SPECIAL THREADS

OPTIONAL 6" (152 mm) FLANGE INLET ADAPTER AVAILABLE

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

TORNADO®OSC

Rated up to 500 gpm (2000 l/min), the TORNADO OSC is a truck-mounted or fixed installation monitor. The monitor outlet has a user adjustable sweep pattern of 20°, 30°, or 40° automatic oscillating sweep pattern with manual override. The oscillating outlet component can be rotated to allow side to side, up and down, or any angle in between. An internal water-driven turbine shall power the oscillation without discharging water to the ground below the unit. The large knobs shall provide elevation control from 90° above horizontal to 45° below horizontal, and a full 360° continuous horizontal rotation. User installed travel limit stops shall be included. The monitor is constructed of hardcoat anodized aluminum alloy with a red powder coat finish inside and out. Various flange inlets are available (see chart below).

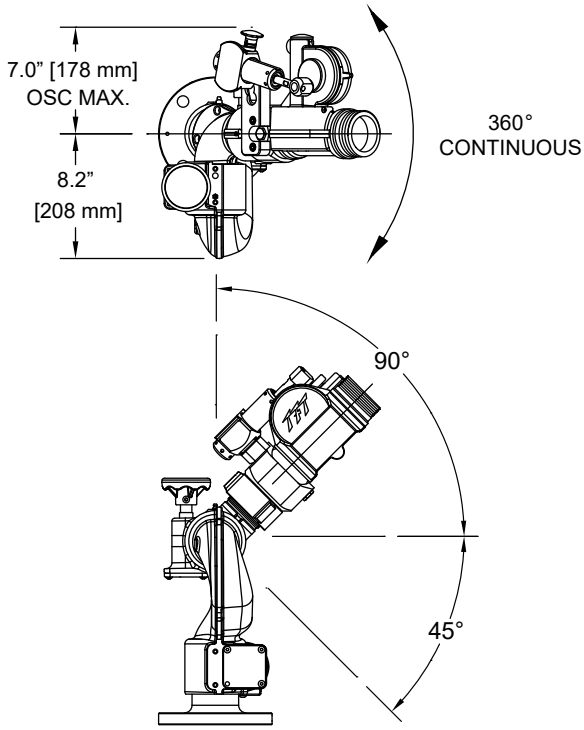


- **Oscillation can be quickly disengaged for manual aiming of stream**
- **Hardcoat anodized and powder coated for corrosion protection**

Y2-SF1A

26.8 lb (12.2 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



When ordering a TORNADO OSC, choose one option from each category.

***For example:** Model Y2-SF1A is a 3.0" (76 mm) ANSI 150 Inlet with a 2.5" -7.5 NH (64 mm) Male Outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.*

	SIDE A - Inlet Flange	SIDE B - Outlet	
Y2-S			**A**
	D) 2.5" (64 mm) ANSI 150 F) 3.0" (76 mm) ANSI 150 G) 4.0" (102 mm) ANSI 150/ DN100 PN16	1) 2.5" - 7.5 NH (64 mm) Male 2) 2.5" - 11 BSP (64 mm) Male 3) 2.5" - 8 NPSH (64 mm) Male 9) SPECIAL 2.5" (64 mm)	

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

ZN INDUSTRIAL NOZZLES

The TFT fixed gpm water nozzle is a simple and rugged industrial nozzle with superior stream quality and reach. This fixed gallonage fog nozzle rated at 100 psi (7 bar) is available with your choice of 250, 350, 500,or 750 gpm (950, 1300, 2000, 3000 l/min). Fog angle is user adjustable between 120° wide fog and straight stream. The nozzle's baffle can be removed with a wrench for flushing debris. The standard inlet is 2.5" NH, NPSH, or BSP (64 mm) female thread. The simple and basic design requires minimal maintenance. The rubber bumper is UV resistant. The fixed gpm water nozzle is hardcoat anodized aluminum. The fixed flow nozzle can be used with water or premixed foam solution. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.



- Rubber bumper
- Choose one option from each category

ZN11A

4.5 lb (2.0 kg)
6.00" (15.2 cm)

SAMPLE PART NUMBER
Specify Thread and Flow by number from chart

ZN ____ ____ **A**

THREADS (Rigid)	FLOW
1) 2.5"-7.5 NH FEMALE 2) 2.5"-11 BSP FEMALE 3) 2.5"-11.5 NPSH FEMALE 4) 2.5" CODE-AT (CSA) (2.5" = 64 mm)	0) 250 GPM @ 100 PSI — K-factor = 25 (950 l/min @ 7 bar) 1) 350 GPM @ 100 PSI — K-factor = 35 (1300 l/min @ 7 bar) 2) 500 GPM @ 100 PSI — K-factor = 50 (2000 l/min @ 7 bar) 3) 750 GPM @ 100 PSI — K-factor = 75 (3000 l/min @ 7 bar) 4) User Specified Kfactor = 15 - 75

ZM INDUSTRIAL NOZZLES

The Task Force Tips fixed gpm water nozzle is a simple and rugged industrial nozzle with superior stream quality and reach. This fixed gallonage fog nozzle rated at 100 psi (7 bar) is available with your choice of 500, 750, 1000, or 1250 (2000, 3000, 4000, or 4750 l/min). Fog angle is user adjustable between 120 degree wide fog and straight stream. The nozzle's baffle can be removed with a wrench for flushing debris. The standard inlet is 2.5" NH, NPSH, or BSP (65mm) female thread. The simple and basic design requires no grease or other maintenance. The fixed gpm water nozzle is powdercoated and hardcoat anodized ANSI A356.0 T6 aluminum. The fixed gpm nozzle can be used with water or premixed foam solution.



- Large ribs for stream pattern adjustment
- Choose one option from each category

ZM131

7.2 lb (3.3 kg)
8.80" (22.4 cm)

SAMPLE PART NUMBER
Specify Thread and Flow by number from chart

ZM ____ ____ **1**

THREADS (Rigid)	FLOW
1) 2.5"-7.5 NH FEMALE 2) 2.5"-11.5 NPSH FEMALE 3) 2.5"-11 BSP FEMALE (2.5" = 64 mm)	1) 500 GPM @ 100 PSI — K-factor = 50 (2000 l/min @ 7 bar) 2) 750 GPM @ 100 PSI — K-factor = 75 (3000 l/min @ 7 bar) 3) 1000 GPM @ 100 PSI — K-factor = 100 (4000 l/min @ 7 bar) FM APPROVED 4) 1250 GPM @ 100 PSI — K-factor 125 (4750 l/min @ 7 bar) FM APPROVED 9) User Specified Kfactor = 50 - 125

ZO INDUSTRIAL NOZZLES

The TFT fixed gpm water nozzle is a simple and rugged industrial nozzle with superior stream quality and reach. This fixed gallonage fog nozzle at 100 psi (7 bar) is available with your choice of 1250, 1500, 1750, or 2000 gpm (4750, 5500, 6500, or 7500 l/min). Fog angle is user adjustable between 120° wide fog and straight stream. Folding handles ease moving the shaper from full fog to straight stream. A locking ring can set the nozzle at a desired fog position. The nozzle's baffle can be removed with a wrench for flushing debris. The standard inlet is 3.5" NH or BSP (89 mm) female thread. The simple and basic design requires minimal maintenance. The nozzle is Powder Coated and hardcoat anodized aluminum. It can be used with water or premixed foam solution.



- Folding handles for stream adjustment
- Locking ring for stream pattern position
- Choose one option from each category

ZO12

22.0 lb 10.0 kg)
11.60" 29.5 cm)

SAMPLE PART NUMBER
Specify Thread and Flow by number from chart

ZO ____ ____

THREADS (Rigid)	FLOW
1) 3.5"-6 NH FEMALE 2) 3.5"-11 BSP FEMALE (3.5" = 89 mm)	1) 1250 GPM @ 100 PSI - K-factor = 125 (4750 l/min @ 7 bar) FM APPROVED 2) 1500 GPM @ 100 PSI - K-factor = 150 (5500 l/min @ 7 bar) FM APPROVED 3) 1750 GPM @ 100 PSI - K-factor = 175 (6500 l/min @ 7 bar) FM APPROVED 4) 2000 GPM @ 100 PSI - K-factor = 200 (7500 l/min @ 7 bar) FM APPROVED 9) User Specified K-factor = 125 - 200

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

IVUM INDUSTRIAL VALVE UNDER MONITOR™

The 4" (102 mm) Industrial Valve Under Monitor (IVUM) is a robust, low friction loss slow close valve intended for installation directly beneath monitors on standpipes with 4" (102 mm) ANSI 150 or DN 100 PN16 flange connections. Maximum operation pressure is 300 psi (21 bar). Dual reflective valve position indicators allow 360° visual confirmation from a distance in most light conditions. The inlet flange, half ball and valve seat retainer are available in either hard anodized aluminum or stainless steel. Several options are available for monitor connection, as described below. When integrated with a TFT monitor (side B option X), the monitor flange is omitted to reduce weight, up-front cost and future maintenance expenses.

All models are equipped with an external automatic drain valve to fully drain the monitor and valve body after use, thus minimizing susceptibility to damage from corrosion and freezing water. An optional internal automatic drain valve located within the half ball allows the standpipe to draw atmospheric air to facilitate draining, even while the half ball is closed. It is beneficial in applications where the standpipe will typically be drained following use, especially where freezing conditions are a concern.



SIDE B

FM APPROVED

- **Hand crank valve control**
- **Dual reflective valve position indicators**

FM Approved for use with FM Approved Monitors

Dimensional Maximum
ZAA**
23.7 lb (10.8 kg)
10.1" (25.7 cm) Height
11.7" (29.7 cm) Width
11.6" (29.5 cm) Depth



SIDE B

- **Electric remote valve control**
- **Manual override knob**
- **Single reflective valve position indicator**
- **Electronic interface box included**

Dimensional Maximum
ZAA-RC**
31.1 lb (14.1 kg)
10.1" (25.7 cm) Height
12.7" (32.3 cm) Width
13.6" (33.8 cm) Depth

Aluminum 4" (102 mm) ANSI 150 inlet

ZAA	Drain Option	SIDE B OUTLET		-RC*	
	D) Additional Drain in Half Ball **Z)** External Drain Only	**O)** No Side B Adapter (fits ZCH-Series Booster) **X)** CODE-RRF for Intergrated TFT Typhoon, Moonson or Hurricane Monitor		*Optional Electric Remote with interface box (omit for manual models)	
		1) CODE-RPM male threaded outlet **3)** 4" (102 mm) ANSI 150 Flange **5)** 3" (76 mm) ANSI 150 Flange **Q)** 4.5" NH (114 mm) Quick Connect for Large Monitors **T)** 2.5" NH (64 mm) Quick Connect for Tornado **V)** For Integrated Tornado Monitor (no coupling)		*Optional Electric Remote with interface box (omit for manual models)	

AA9FL-FP Aluminum SIDE A adapter to use ZAA models on 3" (76 mm) ANSI 150 standpipes. Height is 2" (51 mm). Not recommended for ZAS models.**$214.00**

AA9FP-FX - Aluminum SIDE A adapter to use ZAA models on 6" (152 mm) ANSI 150 standpipes. Height 2.0" (51 mm). Not recommended for ZAS models.**$275.00**



SIDE B

FM APPROVED

- **Hand crank valve control**
- **Dual reflective valve position indicators**

FM Approved for use with FM Approved Monitors

Dimensional Maximum
ZAS**
35.0 lb (15.9 kg)
10.1" (25.7 cm) height
11.7" (29.7 cm) width
11.6" (29.5 cm) depth



SIDE B

- **Electric remote valve control**
- **Manual override knob**
- **Single reflective valve position indicator**
- **Electronic interface box included**

Dimensional Maximum
ZAS-RC**
42.2 lb (19.1 kg)
10.1" (25.7 cm) height
12.7" (32.3 cm) width
13.3" (33.8 cm) depth

Stainless Steel 4" (102 mm) ANSI 150 inlet

ZAS	Drain Option	SIDE B OUTLET		-RC*	
	D) Additional Drain in Half Ball **Z)** External Drain Only	**O)** No Side B Adapter (fits ZCH-Series Booster) **X)** CODE-RRF for Intergrated TFT Typhoon, Moonson or Hurricane Monitor		*Optional Electric Remote with interface box (omit for manual models)	
		1) CODE-RPM male threaded outlet **3)** 4" (102 mm) ANSI 150 Flange **5)** 3" (76 mm) ANSI 150 Flange **Q)** 4.5" NH (114 mm) Quick Connect for Large Monitors **T)** 2.5" NH (64 mm) Quick Connect for Tornado **V)** For Integrated Tornado Monitor (no coupling)		*Optional Electric Remote with interface box (omit for manual models)	

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

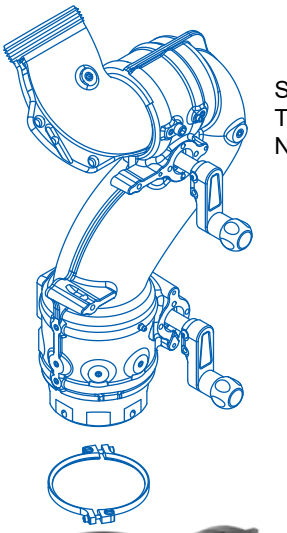
HUM HYDRANT UNDER MONITOR™

The Hydrant Under Monitor (HUM) adds two versatile full flow LDH ports to the robust features of the Industrial Valve Under Monitor. Maximum operating pressure is 300 psi (21 bar). Two concentric slow-close half ball valves allow the monitor to be operated either independently or simultaneously with the LDH ports. The main shut-off valve has a huge 5.25" (133 mm) waterway, located immediately above the 6" (152 mm) ANSI 150 inlet flange. When the monitor valve above is also open, flow to the monitor from the standpipe is completely unobstructed for the lowest possible friction loss. Each valve control is clearly marked with separate color-coded position indicators that are retro-reflective for visibility in most light conditions. The cast aluminum valve body and all structural aluminum components are hard anodized, and the inlet flange and valve body are powder coated red for additional resistance to galvanic corrosion.

Several options are available for monitor and hose connections, as described on the following pages. When integrated with a TFT monitor (side B option 1), the monitor flange is omitted to reduce weight, up-front cost and future maintenance expenses. Both LDH ports C1 and C2 can be configured with a Storz coupling, a male threaded spout, or a gated wye, with connection sizes ranging from 1.5" up to 6.0" (38 to 152 mm). All LDH connections are supplied with a pressure cap, and port C2 can also be configured with a blind plug for no charge if only one hose connection is needed.

For further versatility, the Booster can be mated between the HUM and monitor to allow pressure to be boosted using a pump or foam to be introduced. Choose side B option 0 (zero) for this option and see pages 219-221 for Booster options.

All models are equipped with an external automatic drain valve and a 2nd automatic drain valve within the monitor half ball. These valves fully drain the monitor and valve body after each use when pressure drops below 5 psi (0.3 bar), thus minimizing susceptibility to damage from corrosion and freezing water. An optional 3rd automatic drain valve located within the main shut-off half ball allows the standpipe to draw atmospheric air to facilitate draining, even while the half ball is closed. It is beneficial in applications where the standpipe will typically be drained following use, especially where freezing conditions are a concern.

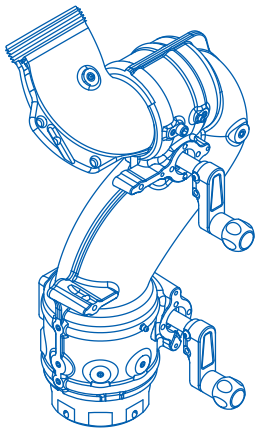


Shown with
Typhoon Y5-DP1A-Z
Not Included

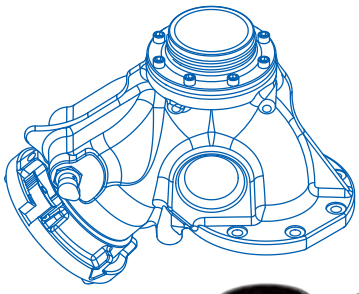


FM Approved for use with
FM Approved Monitors

Hydrant Under Monitor
ZBAZ11T1T



Shown with
Typhoon Y5-DP1A-Z
Not Included



Shown with
Booster ZCH1T1
Not Included



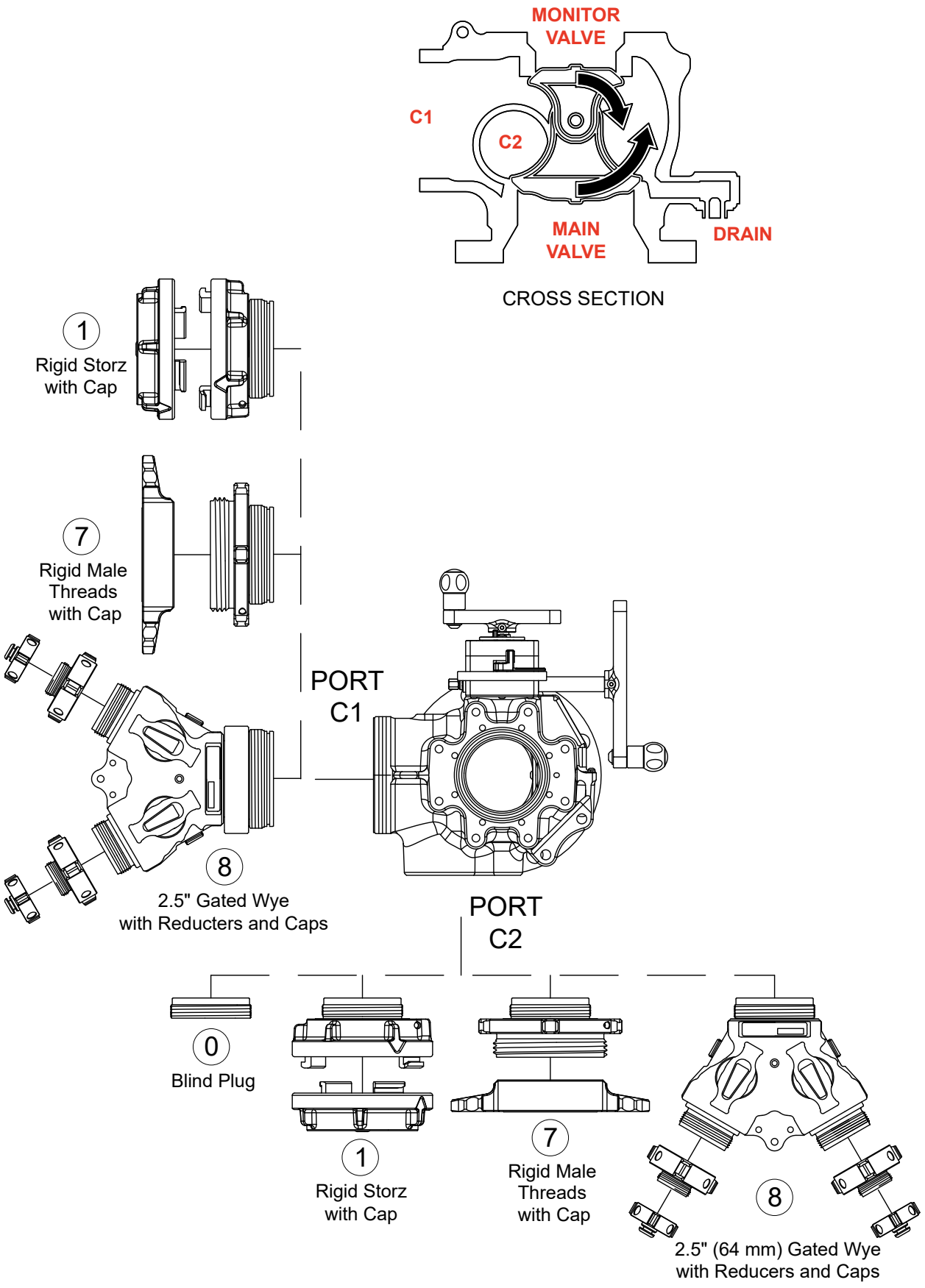
FM Approved for use with
FM Approved Monitors

Hydrant Under Monitor
ZBAZ01T1T

SAMPLE PART NUMBERS
Specify Drain, Outlet, and Port Options from chart on following pages.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HUM HYDRANT UNDER MONITOR™



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HUM HYDRANT UNDER MONITOR™



Dimensional Maximums
$4785.00
Weight 64.0 lb (29.0 kg)
Height 13.1 in (33.3 cm)
Width 25.0 in (63.5 cm)
Depth 27.0 in (68.6 cm)

AUXILIARY PORT SPECIFICATIONS AND PRICING For Ports C1 & C2	
0) Blind Plug (port C2 only)	
1) Rigid Storz (includes cap)	
7) Rigid Male Threads (includes cap)	
8) 2.5" (64 mm) Gated Wye (includes 2.5" x 1.5" (64 mm x 38 mm)reducers and 1.5"NH (38 mm) caps)*	

* Slow close option available

ZBA

Drain Option	Side B	Port C1 With Cap		Port C2 With Cap	
D) Drain in main half ball **Z)** External Drain Only	**0)** No Side B Adapter (fits ZCH-series Booster) **1)** Code-RPM **3)** 4" (102 mm) ANSI 150 **Q)** 4.5" NH (114 mm) Quick Connect **T)** 2.5" NH (64 mm) Quick Connect **V)** For Integrated Tornado Monitor (no coupling)	STYLE **1)** Rigid Storz **7)** Rigid Male Threads **8)** 2.5" (64 mm) Gated Wye (Size J Only)	SIZE **J)** 2.5" (64 mm) **N)** 3.5" (89 mm) **P)** 4.0" (102 mm) **R)** 4.5" (114 mm) **T)** 5.0" (127 mm) **X)** 6.0" (152 mm)	STYLE **0)** Blind Plug* **1)** Rigid Storz **7)** Rigid Male Threads **8)** 2.5" (64 mm) Gated Wye (Size J Only)	SIZE **0)** N/A* **J)** 2.5" (64 mm) **N)** 3.5" (89 mm) **P)** 4.0" (102 mm) **R)** 4.5" (114 mm) **T)** 5.0" (127 mm)

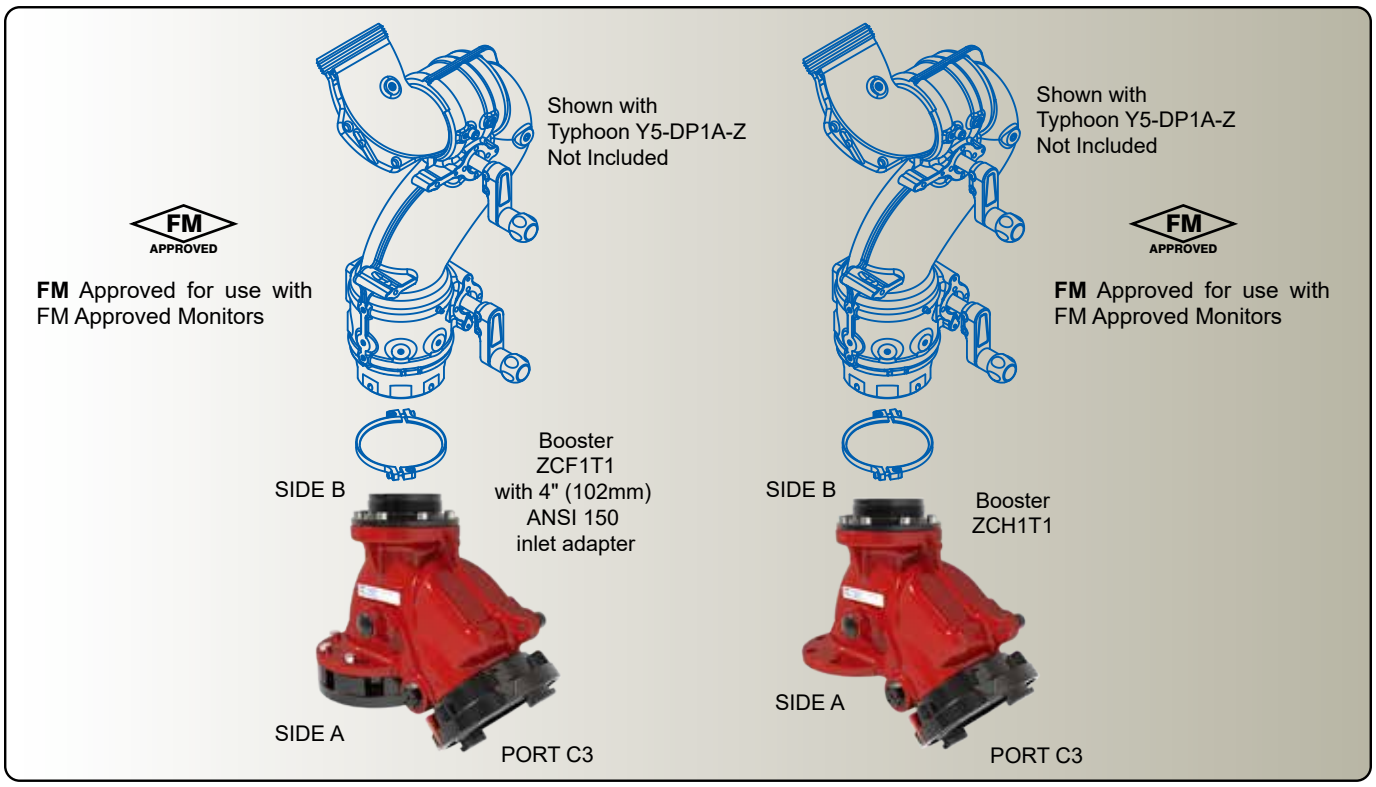
*Port C2 Blind plug requires "00" (two zeros), one for Style and one for Size.
All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BOOSTER™

The Booster provides a secondary supply inlet for monitors rated up to 2500 gpm (9400 l/min), allowing pressure to be boosted using a pump and/or foam to be introduced. An LDH hose or in-line foam eductor may be connected to the secondary inlet with optional Storz or female hose threads ranging from 3.5" (89mm) up to 6.0" (152mm). A swing check valve within the secondary inlet allows connections to be made while the monitor is flowing from the main inlet (standpipe). The main inlet can be configured for direct connection to a TFT Hydrant Under Monitor (HUM) or Industrial Valve Under Monitor (IVUM). Alternately, the main inlet can be adapted to a 3" or 4" (76 to 102mm) ANSI 150 bolt pattern. Several options are available for monitor connection. Integration with a TFT monitor (side B option 1) allows two additional flanges to be omitted. Avoiding flanges on both sides of the Booster substantially reduces the height, weight and cost. The cast aluminum body and all structural aluminum components are hard anodized, and the inlet flange and body are powder coated for additional resistance to galvanic corrosion. All models are equipped with an external automatic drain valve. This allows the monitor and Booster to be fully drained after each use when pressure drops below 5 psi (0,3bar), thus minimizing susceptibility to damage from corrosion and freezing water.

See next page for ordering information.



BOOSTER™ OSC

The Booster OSC adds the capability to oscillate a TFT monitor horizontally up to 120° using energy from a water-driven turbine. All of the turbine water exits the monitor nozzle, thus avoiding the water expelled below the monitor that plagues other manufacturers' oscillating units. Oscillation is activated by water flow from 1000 gpm to 2000 gpm (3800 to 7600 l/min), supplied either from the main inlet or secondary inlet of the Booster. Oscillating sweep angle can be adjusted from zero to 120° in 10° increments at any time while oscillating or stationary, without removing the hard anodized safety guard that encloses the oscillating mechanism. Oscillating pattern can be verified without flowing water, using a ½" (12 mm) hex wrench. Oscillating speed is directly proportional to flow rate, and is 4 cycles per minute at 2000 gpm (7600 l/min) with the default pulley set installed. An alternate pulley set stored within the safety guard allows the oscillating speed to be doubled by exchanging the pulleys using common hand tools.

The Booster OSC is compatible with TFT Monsoon, Typhoon and Hurricane monitors that are specified with inlet option W) swivel base.

See page 221 for ordering information.



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BOOSTER™

FM APPROVED

FM Approved for use with FM Approved Monitors



Booster ZCF1T1
Shown With 4" (102mm)
ANSI 150
Inlet Adapter

- **OPTIONAL 6" (152 mm) FLANGE INLET ADAPTER AVAILABLE**

All 6" Storz couplings have an adjustable seal compression feature.

Dimensional Maximum
ZCH*
29.9 lb (13.6 kg)
10.9" (27.7 cm) height
17.4" (44.2 cm) width
8.8" (22.4 cm) depth

ZCH

Booster for direct-connection to HUM or IVUM and TFT Monitor

Port C3 Relay Inlet			Side B outlet
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm)	T) 5" (127mm) X) 6" (152mm)	1) CODE-RPM for TFT monitor integration Q) 4.5"NH (114mm) Quick Connect for Lg. Monitors T) 2.5"NH (64mm) Quick Connect for Tornado V) Integrated Tornado (no coupling)

Dimensional Maximum
ZCH3**
32.1 lb (14.6 kg)
11.4" (29.0 cm) height
17.4" (44.2 cm) width
8.8" (22.4 cm) depth

ZCH

Booster for direct connection to HUM or IVUM; 4" ANSI 150 outlet

Port C3 Relay Inlet			Side B outlet
			3
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm)	T) 5" (127mm) X) 6" (152mm)	3) 4" (102mm) ANSI 150

Dimensional Maximum
ZCF*
36.5 lb (16.6 kg)
12.2" (31.0 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCF

Booster with 4" ANSI 150 inlet adapter and direct-connection to TFT Monitor

Port C3 Relay Inlet			Side B outlet
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm)	T) 5" (127mm) X) 6" (152mm)	1) CODE-RPM for TFT monitor integration Q) 4.5"NH (114mm) Quick Connect for Lg. Monitors T) 2.5"NH (64mm) Quick Connect for Tornado

Dimensional Maximum
ZCF3**
38.7 lb (17.6 kg)
12.7" (32.3 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCF

Booster with 4" ANSI 150 inlet adapter and 4" ANSI 150 outlet

Port C3 Relay Inlet			Side B outlet
			3
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm)	T) 5" (127mm) X) 6" (152mm)	3) 4" (102mm) ANSI 150

Dimensional Maximum
ZCG*
36.5 lb (16.6 kg)
12.2" (31.0 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCG

Booster with 3" ANSI 150 inlet adapter and direct-connection to TFT Monitor

Port C3 Relay Inlet			Side B outlet
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm)	T) 5" (127mm) X) 6" (152mm)	1) CODE-RPM for TFT monitor integration Q) 4.5"NH (114mm) Quick Connect for Lg. Monitors T) 2.5"NH (64mm) Quick Connect for Tornado

Dimensional Maximum
ZCG3**
38.7 lb (17.6 kg)
12.7" (32.3 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCG

Booster with 3" ANSI 150 inlet adapter and 4" ANSI 150 outlet

Port C3 Relay Inlet			Side B outlet
			3
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm)	T) 5" (127mm) X) 6" (152mm)	3) 4" (102mm) ANSI 150

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BOOSTER™ OSC



- **OPTIONAL 6” (152 mm) FLANGE INLET ADAPTER AVAILABLE**

All 6" Storz couplings have an adjustable seal compression feature.

FM APPROVED

FM Approved for use with FM Approved Monitors

Dimensional Maximum ZCH-OSC**
32.1 lb (14.6 kg)
11.4” (29.0 cm) height
17.4” (44.2 cm) width
8.8” (22.4 cm) depth

Booster OSC for direct connection to HUM or IVUM

ZCH

Port C3 Relay Inlet			Side B outlet
			-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5” (89mm) P) 4” (102mm) R) 4.5” (114mm)	T) 5” (127mm) X) 6” (152mm)	-OSC) Accepts TFT monitor with option W swivel base

Dimensional Maximum ZCF-OSC**
38.7 lb (17.6 kg)
12.7” (32.3 cm) height
17.5” (44.5 cm) width
8.9” (22.6 cm) depth

Booster OSC with 4” (102mm) ANSI 150 inlet adapter

ZCF

Port C3 Relay Inlet			Side B outlet
			-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5” (89mm) P) 4” (102mm) R) 4.5” (114mm)	T) 5” (127mm) X) 6” (152mm)	-OSC) Accepts TFT monitor with option W swivel base

Dimensional Maximum ZCG-OSC**
38.7 lb (17.6 kg)
12.7” (32.3 cm) height
17.5” (44.5 cm) width
8.9” (22.6 cm) depth

Booster OSC with 3” (76mm) ANSI 150 inlet adapter

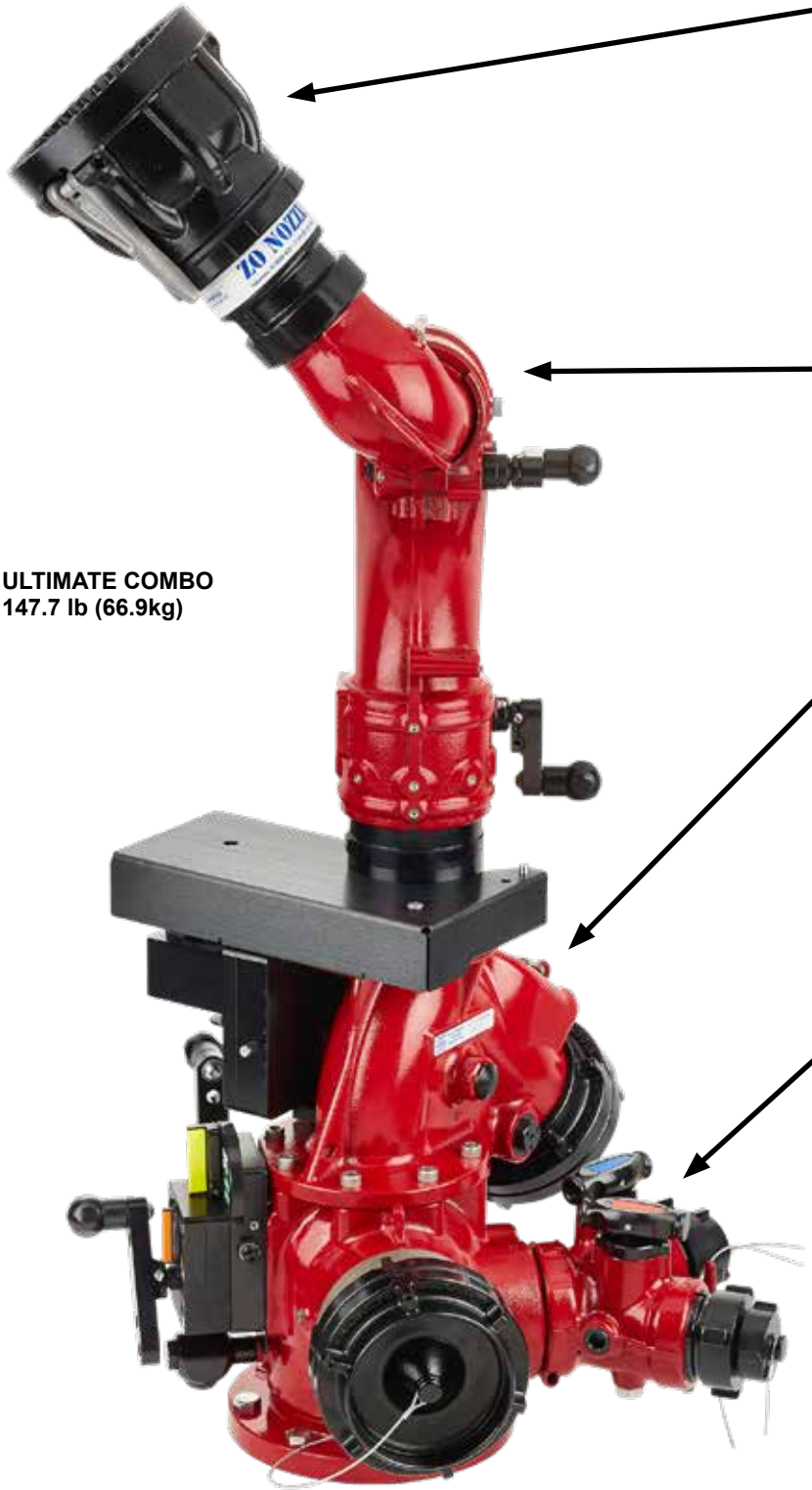
ZCG

Port C3 Relay Inlet			Side B outlet
			-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5” (89mm) P) 4” (102mm) R) 4.5” (114mm)	T) 5” (127mm) X) 6” (152mm)	-OSC) Accepts TFT monitor with option W swivel base

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

THE ULTIMATE COMBO

Task Force Tips Ultimate Combo is the superior solution to industrial fire protection. Combining innovative components into a versatile, high flow protection and suppression system, the Ultimate Combo is highly customizable. The system includes the Hydrant Under Monitor, a dual valve system to control incoming water from either the water main, or side inlets, with the second valve controlling flow to the monitor. Many sizes of LDH connections, as well as high flow gated wye discharges are available. The Booster OSC is supplied by the main inlet or the secondary inlet, and the water turbine allows up to 120° of horizontal monitor sweep, with all water exiting the nozzle, not expelling on the ground. Oscillating sweep angle can be adjusted from 0° to 120° in 10° increments any time while stationary or flowing. The flow efficient Typhoon monitor can be easily adjusted for rotation and elevation with the aluminum hand cranks. The ZO Series industrial nozzle provides superior stream performance in straight stream or any fog pattern. All components are hardcoat anodized, with powder coated castings and stainless steel hardware for corrosion resistance and durability. The Ultimate Combo is foam compatible. For assistance in specifying and ordering, please call 800-348-2686 to speak to our hydraulics specialists.



ULTIMATE COMBO
147.7 lb (66.9kg)

CHOICE OF COMPATIBLE ZO INDUSTRIAL NOZZLE

FM APPROVED

- 1500 gpm (6000 l/min) fixed gallonage nozzle
- Folding handles for shaper control
- Pattern from straight stream to 120° wide fog
- Powder coated and hardcoat anodized aluminum for maximum resistance to corrosion and wear

(see pages 214)

CHOICE OF COMPATIBLE TYPHOON MANUAL MONITOR

FM APPROVED

- Flows up to 1500 gpm (6000 l/min)
- Operating pressure 200 psi (14bar)
- Only 19 psi (1.3bar) loss
- Hardcoat anodized aluminum

(see page 169)

CHOICE OF COMPATIBLE BOOSTER OSC

FM APPROVED

- Sweeps 0 - 120° in 10° increments
- Operating at 1000 to 2000 gpm
- All water exits the monitor nozzle
- Hardcoat anodized aluminum

(see pages 219, 221)

CHOICE OF COMPATIBLE HYDRANT UNDER MONITOR

FM APPROVED

FM Approved for use with FM Approved Monitors

- Adds two full flow ldh ports
- Maximum operating pressure 300 psi (21bar)
- Two slow close shut-off valves allow independent or simultaneous operation
- Main valve has a 5.25” (133mm) Waterway
- Cast aluminum valve body and all structural aluminum components are hard anodized
- Two standard automatic drains

(see pages 216-218)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

QUICK CONNECT INLET ADAPTERS

Inlet adapters have 4.5”NH (114mm) male threaded outlet with proprietary internal slots to secure TFT Quick Connect Monitors and Elbows. Available for Hurricane, Typhoon and Monsoon Monitors. Standard 4.5”NH (114mm) female hose couplings may also be attached to these inlet adapters. Constructed of corrosion resistant, hardcoat anodized aluminum alloy. Maximum operating pressure is 250 psi (17 bar).



YQC-TP

Inlet Adapter 4”NPT Female
2.3 lb (1.0 kg)
3.20” (8.1 cm) Height
5.7” (14.5 cm) OD



YQC-RLF

Inlet Adapter CODE-RLF
For 3” Extend-A-Gun
(manual & RC3)
2.0 lb (0.9 kg)
3.20” (8.1 cm) Height
5.7” (14.5 cm) OD



YQC-RPF

Inlet Adapter CODE-RPF
For 4” Extend-A-Gun RC4
2.0 lb (0.9 kg)
3.00” (8.1 cm) Height
5.7” (14.5 cm) OD



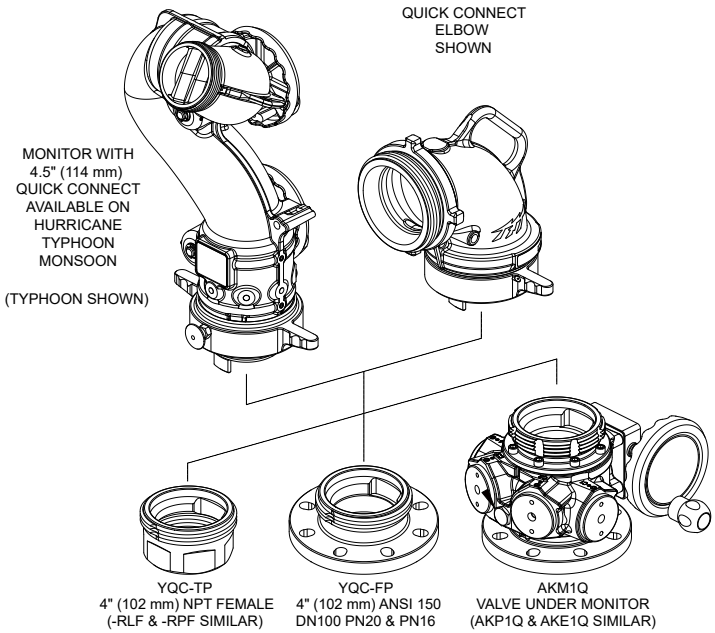
YQC-FP

Inlet Adapter 4”ANSI 150
Also fits DN100 PN20 & PN16
5.9 lb (2.6 kg)
3.20” (8.1 cm) Height
9.0” (23.0 cm) OD

ALSO AVAILABLE:

Valve Under Monitor with 4.5” (114 mm) Quick Connect

See Valve Under Monitor section, Items AKM1Q, AKP1Q and AKE1Q



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

QUICK CONNECT ELBOW

The Quick Connect Elbow is interchangeable with the Quick Connect Inlet options offered on the Monsoon, Typhoon and Hurricane monitors. Full-time ball bearing swivel allows 360° rotation while coupling remains secured. Blind 1/4" NPT (6 mm) port may be drilled through to add pressure gauge or bleeder. Constructed of hardcoat anodized aluminum alloys, with Powder Coat finish inside and out on the elbow casting for maximum corrosion protection. Maximum operating pressure is 300 psi (21 bar).



Dimensional Maximum
AF5QNR-NX

19.0 lb (8.6 kg)
12.6" (32.1 cm) Height
8.5" (21.7 cm) Width
13.20" (33.6 cm) Depth

AF5		SIDE A - Female Swivel NH
		4.5" (114 mm) Quick Connect
SIDE B - Male NH	4.0" (102 mm) Threaded	AF5QNR-NP
	4.5" (114 mm) Threaded	AF5QNR-NR
	5.0" (127 mm) Threaded	AF5QNR-NT
	6.0" (152 mm) Threaded	AF5QNR-NX



Dimensional Maximum
AF9QNR-SX

19.0 lb (8.6 kg)
12.6" (32.1 cm) Height
8.5" (21.7 cm) Width
13.20" (33.6 cm) Depth

AF9		SIDE A - Female Swivel NH
		4.5" (114 mm) Quick Connect
SIDE B - Rigid Storz	4.0" (102 mm) Storz	AF9QNR-SP
	5.0" (127 mm) Storz	AF9QNR-ST
	6.0" (152 mm) Storz+	AF9QNR-SX

+All 6" Storz couplings have an adjustable seal compression feature.

National Hose threads per NFPA 1963 are standard. Contact TFT for Special Threads.

Access TFT's Interactive Apparatus Buyer's Guide

A Resource to Help Fire Departments Make Informed Decisions



- Learn how to properly deliver foam
- Custom configure a BIV (Ball Intake Valve)
- See options for LDH and Water Supply
- Find the right nozzle for your tactics and discover your true flow rates

Click here to download the Apparatus Buyer's Guide

REPAIR KITS

1.0" TWISTER, QuadraFog, AND D75 SERIES BALL VALVES

D10-KIT	1.0" Twister Front End Seat/Seal Kit
D75-KIT	1.0" Rear Valve Seat Kit
D75-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)
D75-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)

1.5" Twister, QuadraFog, QuadraCup, and F100 Series Ball Valves

F20-KIT	1.5" Twister Front End Seat/Seal Kit
F100-KIT	Valve Rear Seat Kit
F100-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)
F100-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)

1.5" and 2.5" ThunderFog, F140 and J140 Ball Valve Series

F140-KIT	Valve Rear Seat Kit
F140-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)
F140-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)
J140-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)

Bubble Cup SERIES

D285-KIT	1.0" Bubble Cup Stream Shaper Kit
F685-KIT	1.5" Bubble Cup Stream Shaper Kit
F675-KIT	QuadraCup Aluminum Stream Shaper Kit
F675-UPGRADE	QuadraCup Aluminum Sleeve Upgrade

ULTIMATIC SERIES - Manufactured After 1983

B950-KIT	Bail Handle Kit (Metal)
B955-KIT	Bail Handle Kit (Manuf After 8/05)
B960-KIT	Valve Seal Kit
B880-KIT	Stream Shaper Kit

MIDRANGE SERIES

HM960-KIT	Nozzle Seal Kit
HMD830-KIT	Dual Pressure Knob 100 Psi
HMD830-75KIT	Dual Pressure Knob 75 Psi
HM840-KIT	100 Psi Control Unit
HM840-75-KIT	75 Psi Control Unit
HMD840-KIT	Dual Pressure Control Unit 100/55 Psi
HM997N-KIT	1.5 NH Coupling Kit
HM997I-KIT	1.5 NPSH Coupling Kit
HM590-KIT	-V and -VPGI Valve Plug
HM592-KIT	STO Valve Plug
HM950-KIT	Bail Handle Kit
HM880-KIT	Stream Shaper Kit

HANDLINE SERIES
(manufactured after 1983 to current)

H994I-KIT	1.5 NPSH Coupling Kit
H994N-KIT	1.5 NH Coupling Kit
H880-KIT	Stream Shaper Kit
H960-KIT	Valve Seal Kit
P920-KIT	Playpipe Handle/Hdw Kit
HX950-KIT	Bail Handle Kit (Replaces Metal Handle)

(manufactured after Jan 01, 2004)

HX840-75-KIT	Pressure Control Unit 75 Psi
HX840-KIT	Pressure Control Unit 100 Psi
HXD830-KIT	Dual Pressure Knob 100 Psi
HXD830-75KIT	Dual Pressure Knob 75 Psi
HXD840-KIT	Dual Pressure Control Unit 100/55 Psi
HXDL840-KIT	Dual Pressure Control Unit 75/45 Psi

HANDLINE SERIES UPGRADE KITS
(manufactured between 1985 to 2003)

Single Pressure

HX-100-KIT	95-300 GPM @ 100 PSI
HX-75-KIT	95-250 GPM @ 75 PSI
HX-55-KIT	95-225 GPM @ 55 PSI

Dual Pressure

HXD-100-KIT	95-300 GPM @ 100/55 PSI (dual pressure)
HXD-75-KIT	95-250 GPM @ 75/45 PSI (dual pressure)

EXTEND-A-GUN SERIES

XG840-KIT	MANUAL EXTEND-A-GUN REED SWITCH
XGA840-KIT	RC3 EXTEND-A-GUN REED SWITCH (made **before** June 2009)
XGA841-KIT	RC4 EXTEND-A-GUN REED SWITCH (made **before** June 2009)
XGE695-KIT	RC EXTEND-A-GUN REED SWITCH (made **after** June 2009)
XGE690-KIT	RC EXTEND-A-GUN DRIVE BOX Repair Kit (6/1/09 and newer)

LDH SERVICE KITS

A1520-KIT	AB, AC, and ABS Series BIV Valve Seat Kit
A1520-CRK	BIV Complete Rebuild Kit
A1082-KIT	AX, AP, and AQ Series Jumbo BIV Valve Seat Kit
A1082-CRK	Jumbo BIV Complete Rebuild Kit
A1621-KIT	Vent Drain Kit - Lever Style
A1633-KIT	Parallel Shaft Gear Box Kit
A1890NJ	Pressure Relief Valve Test Kit – Flanged
A1891NJ	Pressure Relief Valve Test Kit – Threaded
AX1690-KIT	BIV RC Upgrade
AX1691-KIT	Gauge Kit For Ax Series Jumbo BIV 0-200 PSI
A4178-KIT	Storz lever lock alum upgrade kit - 4"
A4179-KIT	Storz lever lock alum upgrade kit - 5"
THA401-ST	Retaining Strip Removal Tool
THA406-KIT	BIV Seat Tool
AM-BAND-KIT	Suction Hose Repair Kit
A1410-KIT	Suction Screen 5"
A1411-KIT	Suction Screen 6"
JET-ELBOWKIT	Jet Siphon Elbow Upgrade Kit
JET-NF-KIT	JET SIPHON FIELD CONVERSION KIT
A4215	4" (102 mm) Storz pressure gasket
A4216	4" (102 mm) Storz suction gasket
A4220	5" (127 mm) Storz pressure gasket
A4221	5" (127 mm) Storz suction gasket
A4274	6" (152 mm) Storz pressure gasket
A4273	6" (152 mm) Storz suction gasket

INTEGRAL SMOOTH BORE ORIFICE REPLACEMENT

P116-KIT	Stream Straightener 1-1/2"
HVIT1-KIT	VIT Ball Valve Outlet 7/8"
HVIT2-KIT	VIT Ball Valve Outlet 15/16"
HVIT3-KIT	VIT Ball Valve Outlet 1"
HVIT4-KIT	VIT Ball Valve Outlet 1-1/8"
HVIT5-KIT	VIT Ball Valve Outlet 1-1/4"
HVIT6-KIT	VIT Ball Valve Outlet 1-3/8"
HVIT7-KIT	VIT Ball Valve Outlet 1-3/16"
HVIT8-KIT	VIT Ball Valve Outlet 1-1/16"

VALVE UNDER MONITOR SERIES

AY321-KIT	Aluminum Long Handle 4.75" swing radius
AY322-KIT	Aluminum T-Handle 2.25" swing radius

LUBRICANTS

VSA-101	Dow 112 Grease 5.3 Oz Tube
VSA-110	Breakfree 4 Oz Aerosol
VSA-112	Breakfree 12 Oz Aerosol
H-LUBE-KIT	Nozzle Lubrication Kit

2.5" GATED WYE

AY175-KIT	200 psi Gauge Kit For Ay Series 2.5” Gated Wye
AY176-KIT	300 PSI Guage Kit for AY Series 2.5” Gated Wye
A1621-KIT	Vent Drain Kit - Lever Style
AY970-KIT	Slow Close Valve Kit

CROSSFIRE - BLITZFIRE

X170-KIT	Rotation Lock Insert Kit
X455-KIT	Crossfire Tie Down Strap
XX482-KIT	Blitzfire Spike Replacement Kit
XX830-KIT	Elevation Swivel Clutch Assembly
XX910-KIT	Blitzfire Trip Mechanism Kit
XX-STRAP-KIT	Blitzforce Strap
XF400-KIT	Truck Mount Block

EDUCTOR

UE960-KIT	Cam Lock Adaptor

MONITORS

TETHER01-KIT	Stacked Tips Tether Kit

H-VO VALVES

P690-KIT	Ball Valve Repair Kit

PRO/pak

U230-KIT	PRO/pak Knob Repair Kit

COLORED HANDLE KITS

Colored Valve Handle Covers

All nozzles delivered after 09/01/09 have the ability to have colored valve handles added. Colored handle covers for TFT series of nozzles are available at no charge when the warranty card is filled out and mailed in, or if the warranty information is filled out online at tft.com. The following colors are available and for a nominal fee can be custom laser engraved. For additional information on this option, contact TFT customer service.

HM925BLK-KIT	BLACK COVER	
HM925BLU-KIT	BLUE COVER	
HM925GRN-KIT	GREEN COVER	
HM925GRY-KIT	GRAY COVER	
HM925ORG-KIT	ORANGE COVER	
HM925PNK-KIT	PINK COVER	
HM925PPL-KIT	PURPLE COVER	
HM925RED-KIT	RED COVER	
HM925RW-KIT	RED & WHITE COVER	
HM925TAN-KIT	TAN COVER	
HM925WHT-KIT	WHITE COVER	
HM925YEL-KIT	YELLOW COVER	

METRO SERIES FLOW/PRESSURE CHANGE KITS

ME0-KIT	Metro 0 Flow Pressure Change Kit
ME1-TO-KIT	Metro TO Flow Pressure Change Kit
ME1-V-KIT	Metro Valved Flow Pressure Change Kit
ME2-KIT	Metro 2 Flow Pressure Change Kit
TH505	Cone/Pusher Smalley Ring

PISTOL GRIP KITS

Colored Pistol Grips for TFT Nozzles

All TFT nozzles delivered after 03/01/01 have the ability to have colored pistol grips added. For nozzles manufactured before this date, contact TFT’s service department for availability. When a nozzle is ordered with a pistol grip, it will be shipped from TFT with a black grip and the offer to provide a free colored grip of your choice when the warranty card is filled out and mailed in, or if the warranty information is filled out online at tft.com. Kits can also be ordered for adding a grip to a non-grip model for a nominal fee.

HM692BLK-KIT	BLACK GRIP	
HM692BLU-KIT	BLUE GRIP	
HM692GRN-KIT	GREEN GRIP	
HM692GRY-KIT	GRAY GRIP	
HM692ORG-KIT	ORANGE GRIP	
HM692PNK-KIT	PINK GRIP	
HM692PPL-KIT	PURPLE GRIP	
HM692RED-KIT	RED GRIP	
HM692TAN-KIT	TAN GRIP	
HM692WHT-KIT	WHITE GRIP	
HM692YEL-KIT	YELLOW GRIP	

PISTOL GRIP KITS

Colored Pistol Grips for TFT Impulse Nozzles With A Trigger Valve System

Impulse trigger nozzles have the ability to have colored pistol grips. Colored grips are available at no charge at time of order, when the warranty card is filled out and mailed in, or if the warranty information is filled out online at tft.com. Black is standard grip color.

TN691BLK-KIT	BLACK GRIP COVER	
TN691BLU-KIT	BLUE GRIP COVER	
TN691GRN-KIT	GREEN GRIP COVER	
TN691GRY-KIT	GRAY GRIP COVER	
TN691ORG-KIT	ORANGE GRIP COVER	
TN691PNK-KIT	PINK GRIP COVER	
TN691PPL-KIT	PURPLE GRIP COVER	
TN691RED-KIT	RED GRIP COVER	
TN691TAN-KIT	TAN GRIP COVER	
TN691WHT-KIT	WHITE GRIP COVER	
TN691YEL-KIT	YELLOW GRIP COVER	

INSTRUCTION MANUALS

(instruction manuals available at no charge)

All Manuals are available on line at tft.com or call customer service at 1-800-348-2686.

THREAD INFORMATION

STANDARD FIRE HOSE THREADS

Size	ODM	TPI	Size	ODM	TPI	Size	ODM	TPI	Size	ODM	TPI
Nat'l. Hose Thread (NHT)			Eastern Hose Thread			NY Corp. Thread			Quebec Standard Thread (QST)		
.75	1.3750	8	.75	1.0781	11	1.5	2.093	11			
1	1.3750	8	1	1.4219	11	2	2.547	11	2.5	3.046	7
1.25	1.6718	9	1.25	1.6875	11.5	2.5	3.000	8	Alberta Mutual Aid Thread (AMA)		
1.5	1.9900	9	1.5	2.1250	11	Chicago FD Thread					
2	2.5156	8	2	2.6719	7.5	1	1.375	8	2.5	2.990	8
2.5	3.0686	7.5	2.5	3.0000	8	1.5	1.933	11.5	British Columbia (BCT)		
.3	3.6239	6	Pacific Coast Thread			2.5	2.990	7.5	2.5	3.000	8
3.5	4.2439	6	.75	1.0625	11	3.5	4.052	8	Western Canada Fire Underwriters Thread		
4	5.000	4	1	1.3125	11.5	4	5.000	4			
4.5	5.7609	4	1.25	1.8600	11	4.5	5.7609	4	2.5	3.250	6
5	6.260	4	1.5	2.1000	11	5	6.260	4	Buffalo, NY Thread		
6	7.025	4	2	2.5500	10	Chicago Hose Thread			2.5	3.065	8
Nat'l. Pipe Straight Hose Thread (NPSH)			2.5	3.0350	7.5	.75	1.0810	11.5	Cincinnati, OH Thread		
			NYFD Thread			1	1.2951	11.5	2.5	3.058	6
.75	1.0353	14	1	1.660	8	1.25	1.7050	11.5	Cleveland, OH & Omaha, NE Thread		
1	1.2951	11.5	1.5	2.100	8	1.5	1.9460	11.5			
1.25	1.6399	11.5	2	2.530	8	2	2.5220	8	2.5	3.0781	8
1.5	1.8788	11.5	2.5	3.030	8	2.	3.0430	7	Detroit, MI Thread		
2	2.3528	11.5	3	3.630	8	Standard Chemical Thread			2.5	3.125	7.5
2.5	2.843	8	3.5	4.070	8	.75	1.375	8	Pittsburgh, PA Thread		
3	3.4700	8	4	4.610	8	Canadian Standard Assoc. Thread (CSA)			2.5	3.0625	6
3.5	3.9700	8	4.5	5.800	4				Toledo, OH Thread		
4	4.4700	8	Underwriter Tip Thread			1.5	1.8788	11.5	2.5	3.000	8
4.5	4.9700	8	1.5	2.1875	12	2.5	3.1250	5			

SUCTION HOSE THREADS

Size	ODM	TPI	Size	ODM	TPI
American LaFrance Thread			Seagrave Thread		
			4.0	5.000	4
4.0	5.085	4	4.5	5.750	4
4.5	5.750	4	5	6.250	4
5	6.150	4	6	7.000	4
6	7.000	4	Hale Fire Pump Thread		
Mack Thread			4.0	5.000	4
4.0	4.999	4	4.5	5.7609	4
4.5	5.7609	4	5	6.250	4
5	6.230	4			
			Ward LaFrance Thread		
Maxim Thread			4.0	5.000	4
4.0	5.000	4	4.5	5.750	4
4.5	5.750	4	5	6.250	4
5	6.250	4	6	7.000	4
6	7.000	4	Waterous Fire Pump Thread		
Pirsch Thread					
4.0	5.000	4	4.0	5.0109	4
4.5	5.750	4	4.5	5.7609	4
5	6.250	4	5	6.260	4
6	7.000	4			

ABBREVIATION DEFINITIONS

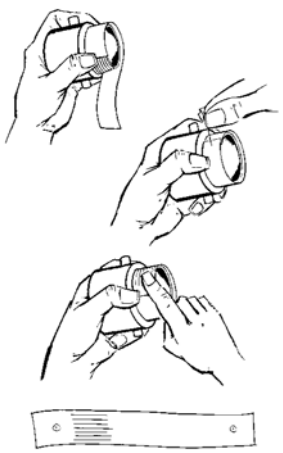
ODM – outside diameter of male
TPI – threads per inch

THREAD DESIGNATIONS

National Hose – NH or NHT; also called National Standard Thread (NST)
National Pipe Straight Hose – NPSH; also called Straight Iron Pipe Thread (SIPT)
National Pipe Thread – NPT; also called Tapered Iron Pipe Thread (TIPT)
British Standard Parallel Pipe – BSPP
British Standard Pipe Taper – BSP
Please call customer service at 800 348-2686 to check availability of a specific thread on your product.

FLANGE SPECIFICATIONS

ANSI Flange Size	2.5"-150#	3.0"-150#	3.0"-300#	4.0"-150#	4.0"-300#	6.0"-150#	6.0"-300#
Diam. of Flange	7.00"	7.50"	8.25"	9.00"	10.00"	11.00"	12.50"
Bolt Circle Diam.	5.50"	6.00"	6.625"	7.50"	7.875"	9.50"	10.625"
Bolt Hole Diam.	.750"	.750"	.875"	.750"	.875"	.875"	.875"
No. Bolt Holes	4	4	8	8	8	8	12
Bolt Diameter	.625"	.625"	.750"	.625"	.750"	.750"	.750"



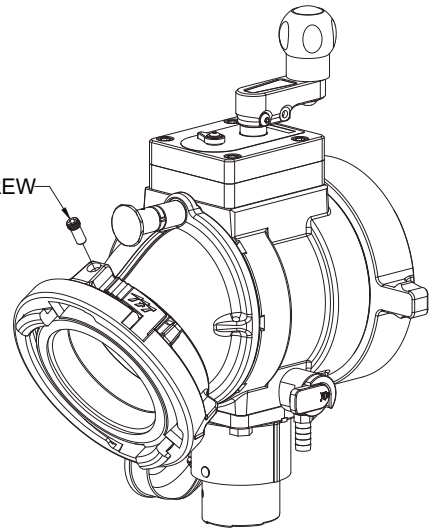
METHODS FOR DETERMINING THREAD DIMENSIONS

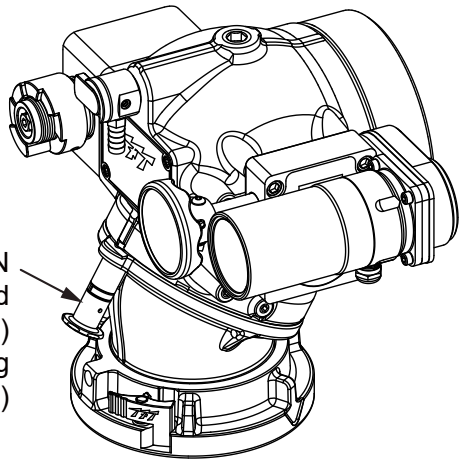
If Leaf Thread Gauge and Thread Caliper are not available; or sample cannot be sent, the following method may be used to obtain the needed information about threads.

1) Cut a strip of paper about 1" wide and long enough to completely encircle the male thread.
2) Wrap this paper snugly around the male thread making sure it is against the shoulder all the way around.
3) Pierce the paper with a pin at some point where the paper overlaps.
4) Press firmly against the threads with finger. This impression in the paper is used to determine the threads per inch.
5) Remove strip and circle pin holes with pencil.
6) The distance between the pin holes divided by 3.1416 equals the ODM (outside diameter of the male).

Both the ODM and the threads per inch are needed for ordering purposes. Unified thread form supplied unless otherwise specified.

CHANGING COUPLING LOCK-OUT





To change a coupling from rigid to full-time swivel, use a 7/32" (5.5 mm) Allen driver to back out the lockout screw until the coupling moves freely.

To change a coupling from full-time swivel to rigid, first align the pull pin in the elbow to vertical. Rotate the coupling until the lockout screw is aligned with the pull pin. Use a 7/32" (5.5 mm) Allen driver to tighten the lockout screw into the lockout divot in the elbow.

FLANGE SPECIFICATIONS

FLANGE SPECIFICATIONS					
FITS FLANGE	**OUTSIDE DIAMETER**	**THICKNESS**	**BOLT HOLE CIRCLE**	**NUMBER OF BOLTS**	**SIZE OF BOLTS**
3" (76 mm) ANSI 125/150 DN80 PN20	7.50" 190 mm	0.75" 19 mm	6.00" 152 mm	4 4	5/8" M16
4" (102 mm) ANSI 150 DN100 PN20	9.00" 229 mm	0.94" 24 mm	7.50" 190 mm	8 8	5/8" M16
DN80 PN16	200 mm	22 mm	160 mm	8	16 mm
DN100 PN16	220 mm	22 mm	180 mm	8	16 mm

Gallons Per Minute (gpm) Pounds Reaction Force (Lb_f) **See TFT's New SHO-FLOW App - page 68**

Smoothbore Nozzle Discharge and Reaction Chart

NOZZLE PRESSURE PSI (Measured With Pitot Gauge.)

Diameter	3/8"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-3/4"	2"	2-1/4"	2-1/2"	2-3/4"	
40	26	47	73	106	144	165	188	238	294	355	423	575	752	951	1174	1421	gpm
	9	16	25	35	48	55	63	79	98	119	141	192	251	318	393	475	Lb_f
45	28	50	78	112	153	175	199	252	311	377	448	610	797	1009	1246	1507	gpm
	10	18	28	40	54	62	71	89	110	134	159	216	283	358	442	534	Lb_f
50	30	53	82	118	161	185	210	266	328	397	473	643	840	1064	1313	1589	gpm
	11	20	31	44	60	69	79	99	123	148	177	240	314	397	491	594	Lb_f
55	31	55	86	124	169	194	220	279	344	417	496	675	881	1115	1377	1666	gpm
	12	22	34	49	66	76	86	109	135	163	194	264	345	437	540	653	Lb_f
60	32	58	90	129	176	202	230	291	360	435	518	705	921	1165	1438	1740	gpm
	13	24	37	53	72	83	94	119	147	178	212	288	377	477	589	712	Lb_f
65	34	60	94	135	183	211	240	303	374	453	539	734	958	1213	1497	1811	gpm
	14	26	40	57	78	90	102	129	159	193	230	313	408	517	638	772	Lb_f
70	35	62	97	140	190	218	249	315	388	470	559	761	994	1258	1554	1880	gpm
	15	27	43	62	84	97	110	139	172	208	247	337	440	556	687	831	Lb_f
75	36	64	101	145	197	226	257	326	402	486	579	788	1029	1303	1608	1946	gpm
	17	29	46	66	90	103	118	149	184	223	265	361	471	596	736	890	Lb_f
80	37	66	104	149	203	234	266	336	415	502	598	814	1063	1345	1661	2010	gpm
	18	31	49	71	96	110	126	159	196	237	283	385	502	636	785	950	Lb_f
85	39	68	107	154	210	241	274	347	428	518	616	839	1096	1387	1712	2071	gpm
	19	33	52	75	102	117	133	169	209	252	300	409	534	676	834	1009	Lb_f
90	40	70	110	159	216	248	282	357	440	533	634	863	1127	1427	1762	2132	gpm
	20	35	55	79	108	124	141	179	221	267	318	433	565	715	883	1069	Lb_f
95	41	72	113	163	222	255	290	366	452	547	652	887	1158	1466	1810	2190	gpm
	21	37	58	84	114	131	149	189	233	282	336	457	597	755	932	1128	Lb_f
100	42	74	116	167	227	261	297	376	464	562	668	910	1188	1504	1857	2247	gpm
	22	39	61	88	120	138	157	199	245	297	353	481	628	795	981	1187	Lb_f
105	43	76	119	171	233	268	304	385	476	576	685	932	1218	1541	1903	2302	gpm
	23	41	64	93	126	145	165	209	258	312	371	505	659	835	1030	1247	Lb_f
110	44	78	122	175	239	274	312	394	487	589	701	954	1246	1577	1948	2356	gpm
	24	43	67	97	132	152	173	219	270	327	389	529	691	874	1079	1306	Lb_f
115	45	80	124	179	244	280	319	403	498	602	717	976	1274	1613	1991	2409	gpm
	25	45	71	102	138	159	181	229	282	341	406	553	722	914	1128	1365	Lb_f
120	46	81	127	183	249	286	325	412	509	615	732	997	1302	1648	2034	2461	gpm
	26	47	74	106	144	166	188	238	294	356	424	577	754	954	1178	1425	Lb_f
125	47	83	130	187	254	292	332	420	519	628	747	1017	1329	1682	2076	2512	gpm
	28	49	77	110	150	172	196	248	307	371	442	601	785	994	1227	1484	Lb_f
130	48	85	132	191	259	298	339	429	529	640	762	1037	1355	1715	2117	2562	gpm
	29	51	80	115	156	179	204	258	319	386	459	625	816	1033	1276	1544	Lb_f
135	49	86	135	194	264	303	345	437	539	653	777	1057	1381	1748	2157	2611	gpm
	30	53	83	119	162	186	212	268	331	401	477	649	848	1073	1325	1603	Lb_f
140	49	88	137	198	269	309	352	445	549	665	791	1077	1406	1780	2197	2658	gpm
	31	55	86	124	168	193	220	278	343	416	495	673	879	1113	1374	1662	Lb_f
145	50	89	140	201	274	314	358	453	559	676	805	1096	1431	1811	2236	2706	gpm
	32	57	89	128	174	200	228	288	356	430	512	697	911	1152	1423	1722	Lb_f
150	51	91	142	205	279	320	364	461	569	688	819	1114	1455	1842	2274	2752	gpm
	33	59	92	132	180	207	236	298	368	445	530	721	942	1192	1472	1781	Lb_f
175	55	98	154	221	301	345	393	497	614	743	884	1204	1572	1990	2456	2972	gpm
	39	69	107	155	210	241	275	348	429	519	618	841	1099	1391	1717	2078	Lb_f
200	59	105	164	236	322	369	420	532	657	794	945	1287	1681	2127	2626	3177	gpm
	44	79	123	177	240	276	314	397	491	594	707	962	1256	1590	1963	2375	Lb_f

National Fire Protection Association (NFPA) Fire Protection Handbook - 17th Edition
International Fire Service Training Association (IFSTA) Fire Protection Publications - Fire Stream Practices - 7th Edition
Nozzle Pressure Measured With Pitot Gauge, Reaction Force Measured In Pounds

Smoothbore Reaction Formula: $NR = 1.57D^2NP$
Smoothbore Discharge Formula: $GPM = 29.7D^2\sqrt{NP}$
D = Bore Diameter in inches NP = Nozzle Pressure in PSI

See TFT's New SHO-FLOW App - page 68

CRITICAL APPLICATION RATES

COMMON ITEMS	AREA IN SQ FT (LXW)	INVOLVEMENT			
		100%	75%	50%	25%
Dumpster	24 (6x4)	8	6	4	2
Car Fire	‡ Full Size	125	125	125	125
Bedroom	225 (15x15)	75	56	38	19
Living Room	300 (15x20)	100	75	50	25
Multiple Bedroons (2)	450 (15x15)x2	150	113	75	38
Detached Garage	574 (24x24)	192	144	96	48
Mobile Home (house trailer)	980 (14x70)	327	245	164	82
Tax Payer First Floor (downtown store front)	1000 (20x50)	333	250	167	83
Small Ranch House	1125 (45x25)	375	281	188	94
Large 2 Story House (1 Floor)	1600 (40x40)	533	400	267	133
Large 2 Story House (2 Floors)	3200 (40x40)x2	1,066	800	533	267
Pole Barn	3000 (40x50)x1.5*	1,000	750	500	250
Warehouse	40,000 (100x200)x2*	13,333	10,000	6,667	3,333

* Additional Height Factor **GPM FLOW REQUIRED**

Quick fireground formula: NFA, National Fire Academy water application rates for room & contents.

$$\frac{L \times W}{3} = GPM$$

L = Length in feet

W = Width in feet

GPM = Water flow rate required to black out the fire in approcimately ten seconds, when properly applied.

This assumes approximate standard combustible contents and heights of 10 feet per story. Adjust for % of involvement, and number of stories involved. Be prepared to increase flow to match 100% involvement, if necessary. Add 25% for exposures.

‡ Minimum application for a car fire is 125 gpm , due to fuel hazards involved.

This water application chart has been designed to provide a quick means of calculating an approximation of the initial flow rates needed. Actual flow rates required will vary depending on the conditions at the scene. This water application chart is not designed to, nor can it, provide the user with the definitive requirements to address a particular fire fighting situation. The selection of application devices and application methods for the fire hazard being addressed is the responsibility of the fire fighting professional.

Ref: IFSTA Fire Protection Publications Fire Stream Practices 7th Edition.

PUMP DISCHARGE PRESSURE CHARTS

1.75" Hose Flow (GPM)	75 PSI Nozzle Pressure Length Of Hose			100 PSI Nozzle Pressure Lengh Of Hose		
	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)
60	83	86	89	108	111	114
95	96	103	110	121	128	135
125	111	123	136	136	148	161
150	127	145	162	152	170	187
175	146	170	194	171	195	219
200	168	199	230	193	224	255
225	193	232	271	218	257	296
250	220	269	—	245	294	—
275	251	—	—	276	—	—
300	—	—	—	—	—	—
325	—	—	—	—	—	—
350	—	—	—	—	—	—

2.50" Hose Flow (GPM)	75 PSI Nozzle Pressure Length Of Hose			100 PSI Nozzle Pressure Lengh Of Hose		
	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)
60	76	76	77	101	101	102
95	78	79	80	103	104	105
125	80	81	83	105	106	108
150	82	84	86	107	109	111
175	84	87	90	109	112	115
200	87	91	95	112	116	120
225	90	95	100	115	120	125
250	94	100	106	119	125	131
275	98	105	113	123	130	138
300	102	111	120	127	136	145
325	107	117	128	132	142	153
350	112	124	136	137	149	161

NOTE: Flows may vary with brand or condition of hose. Flows are approximate and do not reflect losses in preconnect piping.

Formula Used: PDP = NP + FL

PDP = Pump Discharge Pressure

NP = Nozzle Pressure

FL = Friction Loss

$FL = CQ^2L$

C for 1.75" Hose = 15.5

C for 2.50" Hose = 2

Q Flow Rate in Hundreds of GPM

L Length of Hose in Hundreds of Feet

HYDRANT DISCHARGE

See TFT's New SHO-FLOW App - page 68

DISCHARGE FOR HYDRANT OUTLETS

Outlet Pressure (lbs.)	Outlet Diameter				Outlet Pressure (lbs.)	Outlet Diameter			
	2.5"	3.0"	4.0"	4.5"		2.5"	3.0"	4.0"	4.5"
	U.S. Gallons per Minute					U.S. Gallons per Minute			
1	170	240	430	540	16	670	970	1720	2180
2	240	340	610	770	17	690	1000	1770	2240
3	290	420	740	940	18	710	1030	1820	2310
4	340	480	860	1090	19	730	1050	1870	2370
5	380	540	960	1220	20	750	1080	1920	2430
6	410	590	1050	1340	22	790	1130	2020	2550
7	440	640	1140	1440	24	820	1180	2110	2660
8	480	680	1220	1540	26	860	1230	2190	2770
9	500	730	1290	1640	28	890	1280	2280	2880
10	530	760	1360	1730	30	920	1320	2350	2980
11	560	800	1430	1810	32	950	1370	2430	3080
12	580	840	1490	1890	34	980	1410	2510	3170
13	610	870	1550	1960	36	1010	1450	2580	3260
14	630	900	1610	2040	38	1040	1490	2650	3350
15	650	940	1660	2110	40	1060	1530	2720	3440

HYDRANT DISCHARGE FORMULA

To obtain the flow from hydrant outlets use the same formula as given for smoothbore nozzles but use the factor "C" equal to 0.90. Every Fire Department should check the flow from their hydrants. This can be done simply and easily using only a cap with a pressure gauge attached. Merely place the gauge on one outlet, open the hydrant and read the gauge. Remove another cap, open the hydrant and read the gauge again and obtain the gallons per minute using the above method or from the discharge table for hydrant outlets. Obtain the maximum amount of water available from the discharge table for hydrant outlets. Then to obtain the maximum amount of water available from the hydrant in gallons per minute with a residual of 10 lbs. (which is the lowest you should draw down the pressure on the hydrant) use the following formula.

$$A = \frac{B \times \sqrt{P1-10}}{\sqrt{P1-P2}}$$

Where: A = Gallons per minute available at 10 lbs residual.

B = Gallons per minute obtained.

P1 = Static pressure on hydrant with no water flowing.

P2 = Residual pressure on hydrant with water flowing.

DEFINITIONS OF COMMON PRESSURE TERMS

Static or Sidewall Pressure: "Static" means not moving. Static Pressure can be the pressure on a hydrant while it is not flowing. It can also be the pressure measured at a small hole though the side of a pipe –even if there is flow going though the pipe. Since there is no flow going into the small hole this is another measure of static pressure. Pressure measured though a small hole in the side of a pipe is also known as Sidewall Pressure.

Dynamic Pressure: Dynamic Pressure is pressure caused by the fluid's velocity. In mathematical terms the Dynamic Pressure varies with the velocity squared. So doubling the velocity increases the Dynamic Pressure by four (2 squared equals 4). A pitot tube can be used to measure Dynamic Pressure. A pitot tube is a special device that measures Total and Static Pressures simultaneously. The Dynamic Pressure equals the Total Pressure minus the Static Pressure.

Total Pressure: Total Pressure is the Dynamic Pressure added to the Static Pressure. The Total Pressure can be measured with a "stagnation tube". A stagnation tube is a curved piece of tubing with a pressure gauge. Total Pressure is measured by orienting the tubing so it's opening is impacted squarely by the fluid flow. A Stagnation Tube is often called a Pitot Tube in the fire service and is used to measure the Total Pressure at a nozzle's outlet. Since the stream exiting a nozzle has zero Static (or Sidewall) Pressure, a Stagnation Tube in the exit stream gives the Total Pressure.

Residual Pressure: Residual Pressure is the static (or sidewall) pressure at a location while a system is flowing. Due to Friction Loss, the residual pressure decreases as flow increases.

Friction Loss: Friction loss is the amount of pressure difference between two points while flowing. It is determined by comparing the Total Pressure between the two points. For example: A device with a Total Pressure of 120 psi at the inlet and a Total Pressure of 95 psi at the outlet while flowing 1000 gpm. The device's Friction Loss would be 25 psi at 1000 gpm. The Friction Loss varies with the square of the flow. So doubling the flow yields four times the friction loss.

Operating Pressure: Operating Pressure is the Static (or Sidewall) pressure in a device during use.

STANDARDS REFERENCED IN THE CATALOG

NFPA 1962 (2019) - Standard for the Care, Use, Inspection, Service Testing and Replacement of Fire Hose, Couplings, Nozzles, and Fire Hose Appliances.

NFPA 1963 (2019)- Standard for Fire Hose Connections

NFPA 1964 (2018)- Standard for Spray Nozzles

NFPA 1901 (2016)- Standard for Automotive Fire Apparatus

ISO 228-1: 2000- Pipe Threads where Pressure-Tight Joints are Not Made on Threads- Part 1: Dimensions, Tolerances and Design

ISO 228-2: 1987- Pipe Threads where Pressure-Tight Joints are Not Made on Threads- Part 2: Verification by Means of Limit Gauges

ANSI/ASME B1.20.1-2013 (R2018)- Pipe Threads, General Purpose (inch)

CE- Refers to the following:

IEC 61000-6-3 (2011) General Standards- Emission Standard for Residential, Commercial and Light Industrial Environments

IEC 61000-6-2 (2016) Generic Standards- Immunity for Industrial Environments

METRIC CONVERSIONS

LIQUID VOLUME

To Convert	Into	Multiply by
Ounces (oz)	Milliliters (ml)	29.57
Pints (pt)	Liters (l)	0.4732
Quarts (qt)	Liters (l)	0.9464
Gallons (gal)	Liters (l)	3.785
Milliliters (ml)	Ounces (oz)	0.0338
Liters (l)	Pints (pt)	2.113
Liters (l)	Quarts (qt)	1.057
Liters (l)	Gallons (gal)	0.2642

SOLID VOLUME - WEIGHT

To Convert	Into	Multiply by
Ounces (oz)	Grams (g)	28.3495
Pounds (lb)	Kilograms (kg)	0.4536
Grams (g)	Ounces (oz)	0.035
Kilograms (kg)	Pounds (lb)	2.205

PRESSURE

To Convert	Into	Multiply by
Pounds per square inch (psi)	Kilopascals (kPa)	6.895
Pounds per square inch (psi)	bar	0.06895
Kilopascals (kPa)	Pounds per square inch (psi)	0.145
Kilopascals (kPa)	bar	0.01
bar	Pounds per square inch (psi)	14.503
bar	Kilopascals (kPa)	100.00

LENGTH

To Convert	Into	Multiply by
Inches (in)	Millimeters (mm)	25.4
Inches (in)	Centimeters (cm)	2.54
Feet (ft)	Centimeters (cm)	30.48
Yards (yd)	Meters (m)	0.9144
Miles (mi)	Kilometers (km)	1.609
Millimeters (mm)	Inches (in)	0.039
Centimeters (cm)	Inches (in)	0.394
Meters (m)	Yards (yd)	1.0936
Kilometers (km)	Miles (mi)	0.6214

AREA

To Convert	Into	Multiply by
Square inches (sq in)	Square Centimeters (cm2)	6.452
Square feet (sq ft)	Square Meters (m2)	0.093
Square Yards (sq yd)	Square Meters (m2)	0.836
Square Miles (sq mi)	Square Kilometers (km2)	2.59
Square Centimeters (cm2)	Square inches (sq in)	0.155
Square Meters (m2)	Square feet (sq ft)	1.196
Square Kilometers (km2)	Square Yards (sq yd)	0.386

TIP SIZES

3/4" Tip = 19 mm	1-1/2" Tip = 38 mm
7/8" Tip = 22 mm	1-3/4" Tip = 44 mm
1" Tip = 25 mm	2" Tip = 51 mm
1-1/8" Tip = 29 mm	2-1/4" Tip = 57 mm
1-1/4" Tip = 32 mm	2-1/2" Tip = 64 mm
1-3/8" Tip = 35 mm	3" Tip = 76 mm

HOSE SIZES

1" Hose = 25.4 mm	4" Storz = 100.00 mm
1.5" Hose = 38.1 mm	4" Hose = 101.60 mm
1.75" Hose = 44.5 mm	4.5" Hose = 114.30 mm
2" Hose = 50.8 mm	5" Storz = 125.00 mm
2.5" Hose = 63.5 mm	5" Hose = 127.00 mm 6" Storz = 150.00 mm
3" Hose = 76.2 mm	6" Hose = 152.40 mm
3.5" Hose = 88.9 mm	

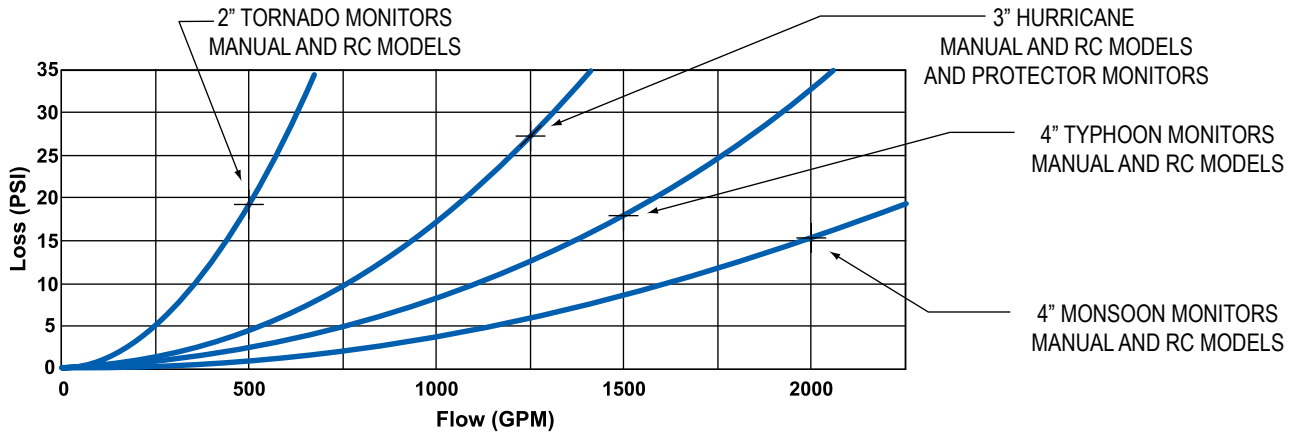
PRESSURES

50 psi = 345 kPa = 3.45 bar	300 psi = 2069 kPa = 20.69 bar
60 psi = 414 kPa = 4.14 bar	350 psi = 2413 kPa = 24.13 bar
70 psi = 488 kPa = 4.88 bar	400 psi = 2758 kPa = 27.58 bar
75 psi = 517 kPa = 5.17 bar	450 psi = 3103 kPa = 31.03 bar
80 psi = 552 kPa = 5.52 bar	500 psi = 3448 kPa = 34.48 bar
90 psi = 621 kPa = 6.21 bar	550 psi = 3792 kPa = 37.92 bar
100 psi = 690 kPa = 6.90 bar	600 psi = 4137 kPa = 41.37 bar
150 psi = 1034 kPa = 10.34 bar	650 psi = 4482 kPa = 44.82 bar
200 psi = 1379 kPa = 13.79 bar	700 psi = 4827 kPa = 48.27 bar
250 psi = 1723 kPa = 17.23 bar	

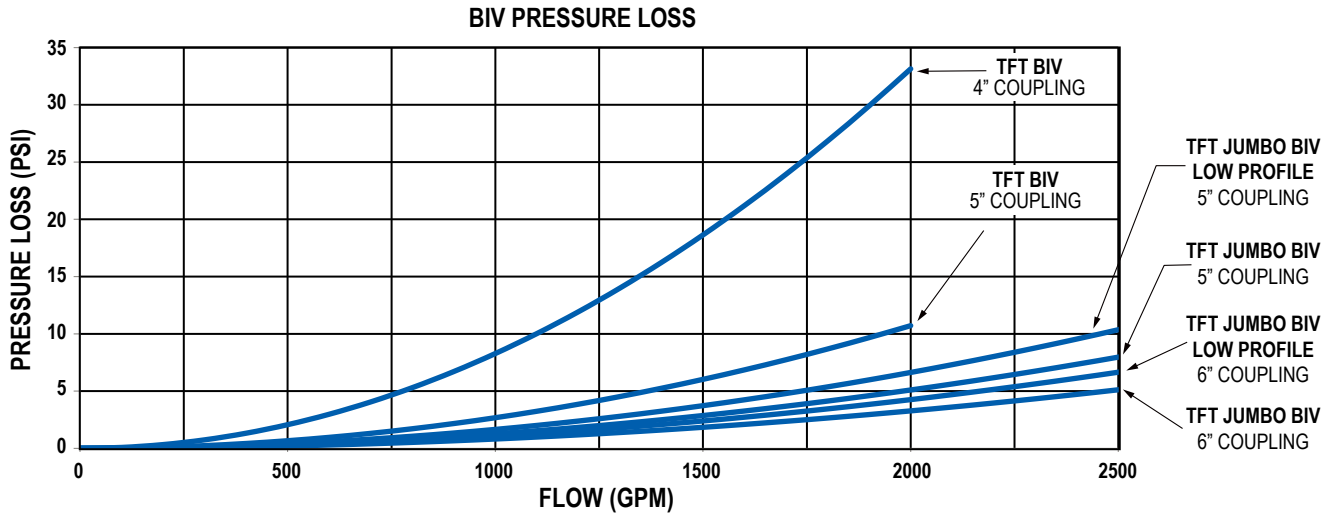
FLOW RATE

12 gpm	=	45.42 l/min	=	45 l/min
13 gpm	=	49.20 l/min	=	50 l/min
20 gpm	=	75.70 l/min	=	75 l/min
23 gpm	=	87.06 l/min	=	90 l/min
25 gpm	=	94.62 l/min	=	95 l/min
30 gpm	=	113.55 l/min	=	115 l/min
40 gpm	=	151.40 l/min	=	150 l/min
50 gpm	=	189.25 l/min	=	190 l/min
55 gpm	=	208.18 l/min	=	210 l/min
60 gpm	=	227.10 l/min	=	230 l/min
70 gpm	=	264.95 l/min	=	265 l/min
75 gpm	=	283.88 l/min	=	285 l/min
85 gpm	=	321.73 l/min	=	320 l/min
95 gpm	=	359.58 l/min	=	360 l/min
100 gpm	=	378.50 l/min	=	380 l/min
120 gpm	=	454.20 l/min	=	460 l/min
125 gpm	=	473.13 l/min	=	475 l/min
150 gpm	=	567.75 l/min	=	550 l/min
175 gpm	=	662.38 l/min	=	660 l/min
200 gpm	=	757.00 l/min	=	750 l/min
250 gpm	=	946.25 l/min	=	950 l/min
300 gpm	=	1135.50 l/min	=	1140 l/min
350 gpm	=	1324.75 l/min	=	1325 l/min
375 gpm	=	1419.38 l/min	=	1420 l/min
400 gpm	=	1514.00 l/min	=	1525 l/min
450 gpm	=	1703.25 l/min	=	1700 l/min
500 gpm	=	1892.50 l/min	=	1900 l/min
700 gpm	=	2649.50 l/min	=	2660 l/min
750 gpm	=	2838.75 l/min	=	2900 l/min
800 gpm	=	3028.00 l/min	=	3030 l/min
1000 gpm	=	3785.00 l/min	=	3800 l/min
1200 gpm	=	4542.00 l/min	=	4500 l/min
1250 gpm	=	4731.25 l/min	=	4800 l/min
1500 gpm	=	5677.50 l/min	=	6000 l/min
2000 gpm	=	7570.00 l/min	=	7600 l/min

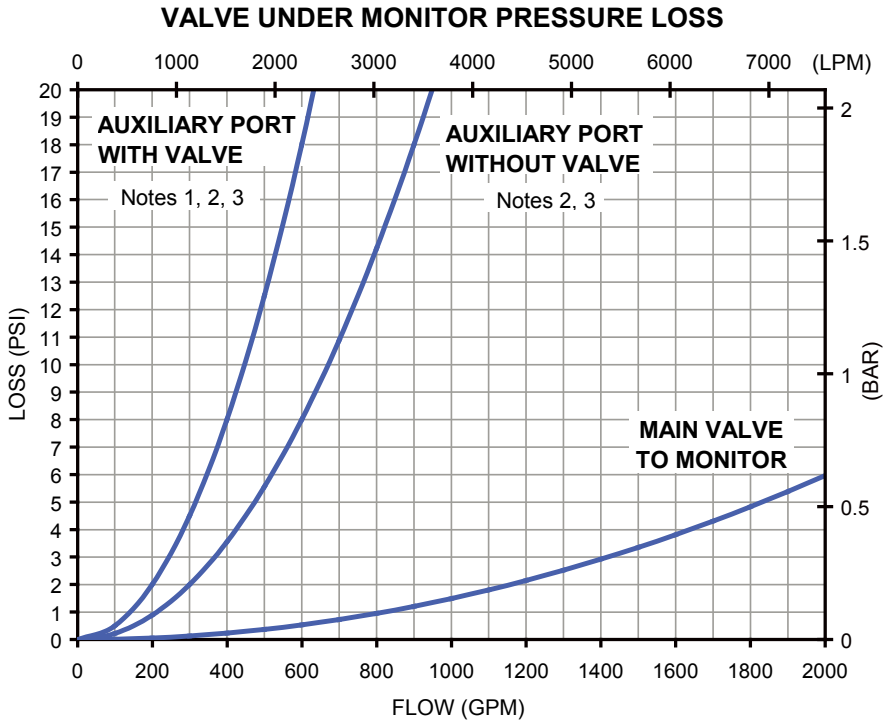
MONITOR PRESSURE LOSS



BIV PRESSURE LOSS



VUM PRESSURE LOSS



NOTES:

1) Curve represents auxiliary port options 2 and 3 (gated elbows). Pressure loss for auxilary port option 4 (straight hydrant valve) is about 15% less than indicated.

2) When valve to monitor is open, pressure loss through auxiliary ports C3 and C4 may be up to 50% greater than indicated. Auxiliary ports C1 and C2 are not affected by this condition.

3) Extension pipes (auxiliary port options B through F) do not add significant pressure loss.

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STATEMENT OF WARRANTY AND REPAIR

Task Force Tips LLC, 3701 Innovation Way, Valparaiso, Indiana 46383-9327 USA (“TFT”) warrants to the original purchaser of its nozzles and other equipment (“equipment”), and to anyone to whom it is transferred, that the equipment shall be free from defects in material and workmanship. The warranty period on most products is five (5) years from the date of manufacture. Select items have either a one (1) year or ten (10) year warranty. See TFT operations manual for details.

TFT’s obligation under this warranty is specifically limited to replacing or repairing the equipment (or its parts) which are shown by TFT’s examination to be in a defective condition attributable to TFT. To qualify for this limited warranty, the claimant must return the equipment to TFT, at 3701 Innovation Way, Valparaiso, Indiana 46383-9327 USA, within a reasonable time after discovery of the defect. TFT will examine the equipment. If TFT determines that there is a defect attributable to it, TFT will correct the problem within a reasonable time. If the equipment is covered by this limited warranty, TFT will assume the expenses of repair.

If any defect attributable to TFT under this limited warranty cannot be reasonably cured by repair or replacement, TFT may elect to refund the purchase price of the equipment, less reasonable depreciation, in complete discharge of its obligations under this limited warranty. If TFT makes this election, claimant shall return the equipment to TFT free and clear of any liens and encumbrances.

This is a limited warranty. The original purchaser of the equipment, any person to whom it is transferred, and any person who is an intended or unintended beneficiary of the equipment, shall not be entitled to recover from TFT any consequential or incidental damages for injury to person and/or property resulting from any defective equipment manufactured or assembled by TFT. It is agreed and understood that the price stated for the equipment is in part consideration for limiting TFT’s liability. Some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

TFT shall have no obligation under this limited warranty if the equipment is, or has been, misused or neglected (including failure to provide reasonable maintenance) or if there have been accidents to the equipment or if it has been repaired or altered by someone else.

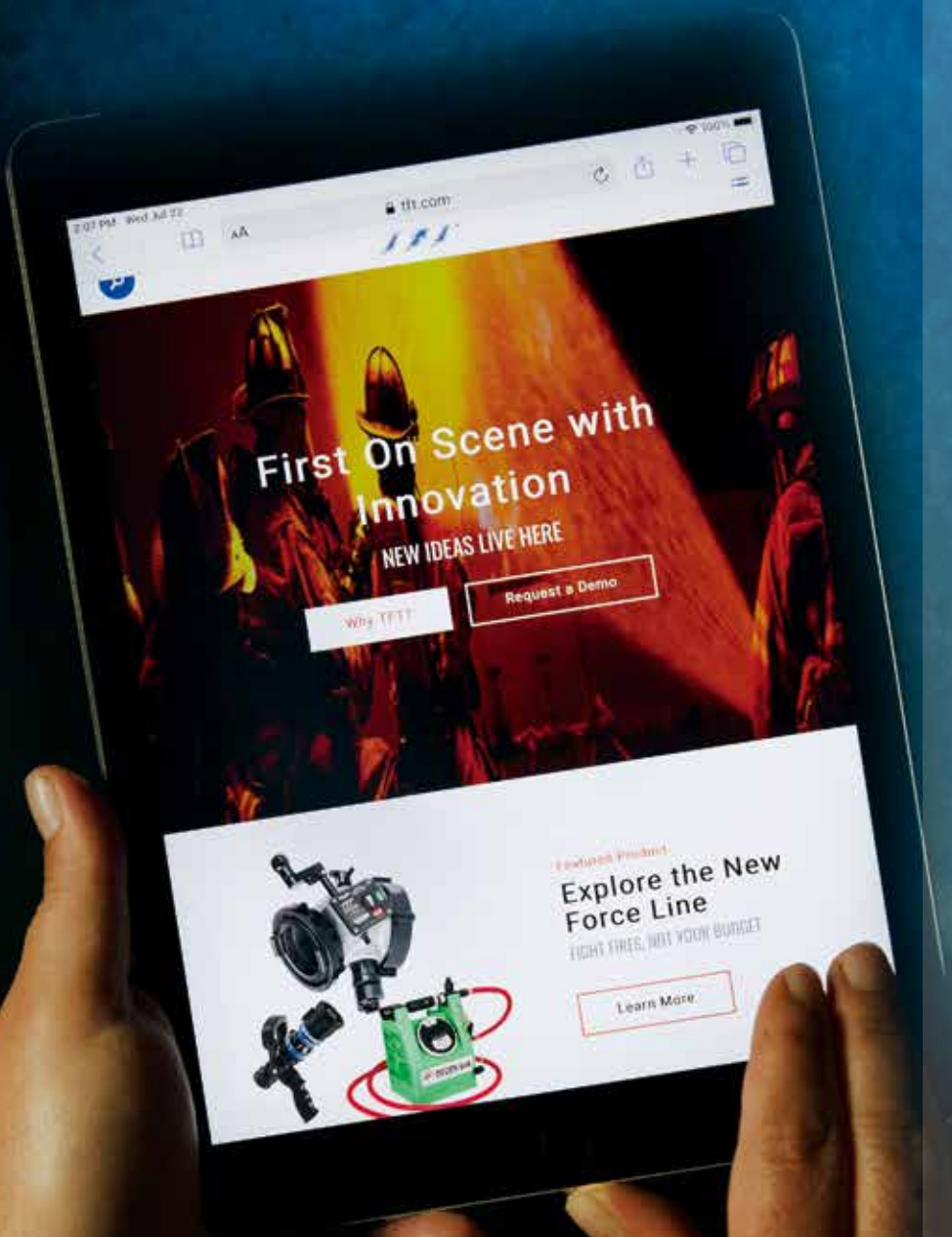
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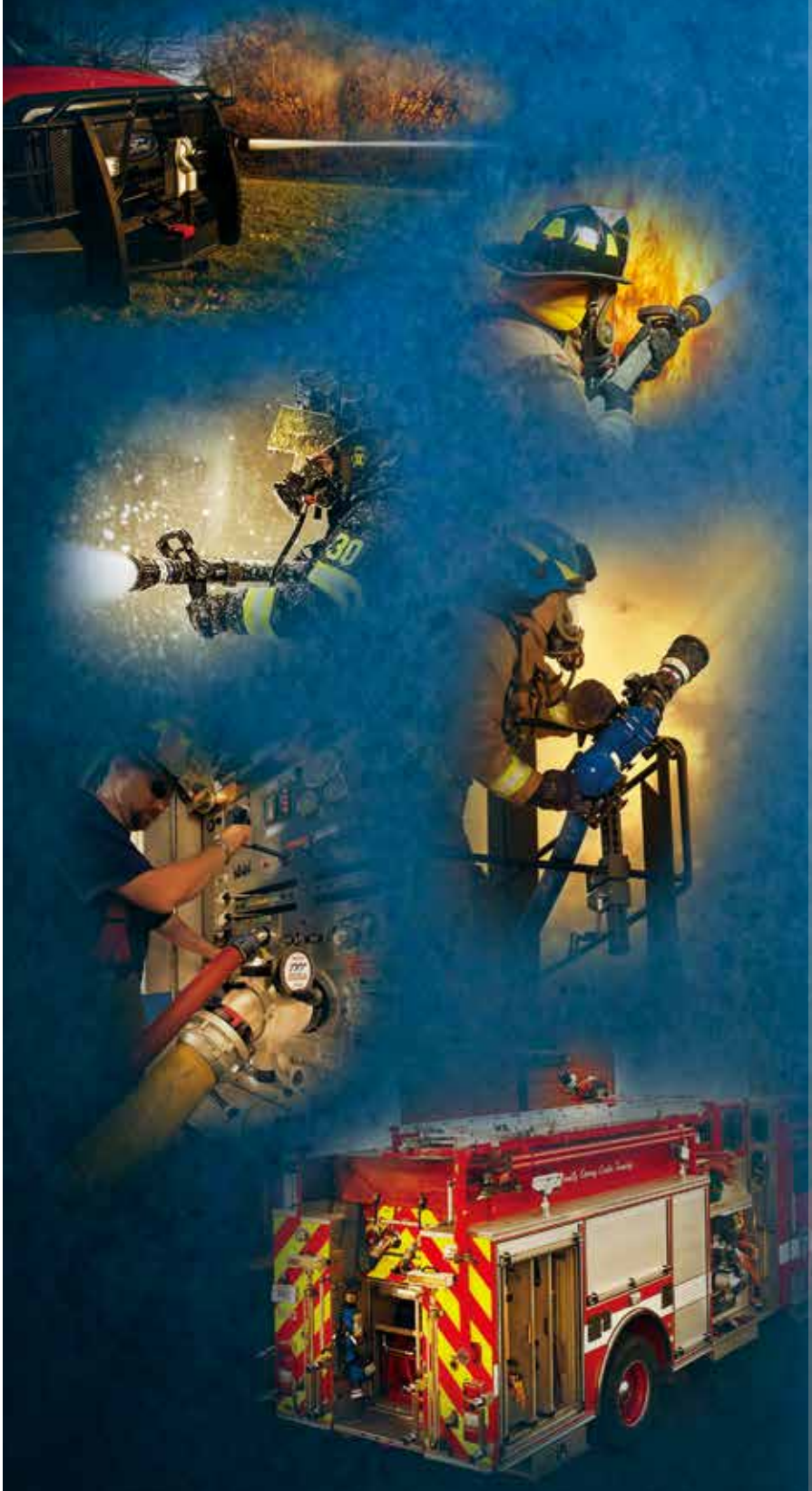
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