



# Swing-Out™ Valves

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | [akronbrass.com](http://akronbrass.com)





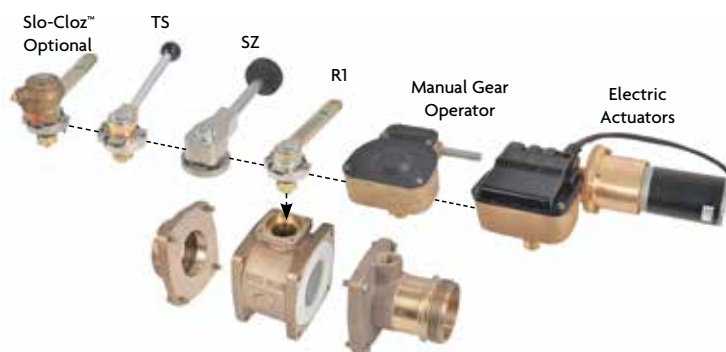
## Generation II Heavy Duty Swing-Out™ Valves

Akron Brass continues to offer a wide variety of apparatus valves to meet the demands of today's fire service. All Swing-Out Valves are designed for operating pressures of at least 250 psi (17 bar) and meet the NFPA 1901 Standard for valve opening and closing speed control when operated with a gear actuator, electric actuator or Slo-Cloz™. In addition, every valve is factory tested in accordance with current NFPA Standards.

- A single valve body that will accept a variety of actuators\*.
- HydroMax™ technology: A patent pending ball geometry providing operating and flow performance never seen before in apparatus valves.

### Swing-Out Valve Features:

- 90° handle travel
- No lubrication or regular maintenance required
- Simple two seated design (no O-Rings to cut or lose during assembly or maintenance)
- Wide range of available adapters (reference valve guide for availability)
- High quality brass body – Cast, machined and assembled at our facility in Wooster, Ohio



### 8600 Heavy Duty Swing-Out Valve Series

- Available actuators: SZ, Manual Gear, Electric and Rack and Sector
- Available in 2" thru 3 1/2" sizes
- 316 Stainless Steel ball with HydroMax™ technology



Style 8625 with electric actuator and stainless steel ball with HydroMax™ technology

### 8800 Heavy Duty Swing-Out Valve Series

- Available actuators: R1, TS, TSC
- Available in 1" thru 4" sizes\*\*
- 316 Stainless Steel ball with HydroMax™ technology

### 8900 Heavy Duty Swing-Out Valve Series

- Available actuators: R1, TS, TSC, SZ, Manual Gear, Electric and Rack and Sector\*
- Available in 1" thru 4" sizes\*\*
- Fusion CF™ Composite ball with HydroMax™ technology



Style 8925 with Fusion CF™ composite ball with HydroMax technology

\*Rack and Sector body is unique to Rack and Sector assembly and not interchangeable with other actuators

\*\* 4" valve only available with manual gear, electric or air actuators. 8840 is also a flat ball.

Refer to valve guide (page 198-205) for ordering information

Style	Description	Ball Type	Actuators	Operating Pressure	Hydrostatic Pressure
8620	2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8625	2 1/2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8630	3" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8635	3 1/2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8810	1" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC	500	1000
8815	1 1/2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC	250	500
8820	2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8825	2 1/2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8830	3" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8835	3 1/2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8840	4" Heavy Duty "Self Locking" Swing-Out Valve	Bronze, Flat	Air, EA or GA	250*	500*
8910	1" Heavy Duty "Self Locking" Swing-Out Valve	Fusion CF	R1, TS, TSC	500	1000
8915	1 1/2" Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC	250	500
8920	2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8925	2 1/2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8930	3" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8935	3 1/2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8940	4" Heavy Duty Swing-Out Valve	Fusion CF	Air, EA or GA	250	500

\* 250/500 psi rated only in one direction. 100 psi operating pressure / 180 psi hydrostatic pressure rated in opposite direction.



Stainless Steel Ball with HydroMax



Fusion CF Ball with HydroMax





# Swing-Out™ Valves

AKRON BRASS COMPANY | P.H. 800.228.1161 (330.264.5678) | akronbrass.com

## Heavy Duty 4" Swing-Out Valve With Flat Ball Design

### 8840 Heavy Duty 4" Valve

- Designed for tank to pump use, deck gun or other higher flow applications
- Flat ball concept - Flat ball has spherical seating surface that easily closes and seals on the seat
- Use with air, gear or electric actuators
- Short body length - Only 4" long. Can be used on side discharge applications and in restricted pump compartment space
- Easy to operate sealing system requires less torque to open and close the valve
- Reduced gear ratios:
  - Electric: 25:1 ratio - 8 seconds full open to close
  - Handwheel 50:1 ratio - 12 1/2 turns
- Weight: 36 lbs. (with electric actuator, less adapters)
- Wide range of available adapters (See pages 198-205)



8840 B20-SFW x P2-S  
With Electric Actuator, Flow Sensor & Pressure Transducer

## 4" Swing-Out Valve

### 8940 4" Swing-Out Valve

- Designed for tank to pump use, deck gun or other higher flow applications
- Air, handwheel or electric actuation only
- All Fusion CF™ Composite Ball



Style 8940

Fusion CF™  
Composite Ball

## Lightweight Apparatus Swing-Out Valve

### 7725 2 1/2" Lightweight Apparatus Swing-Out Valve

- Ideal for use on aerial platforms
- Durable lightweight Pyrolite® construction
- Full flow 2 1/2" waterway
- Simple two seated design (no O-Rings to cut or lose during assembly or maintenance)
- No lubrication or regular maintenance required
- Designed & tested to exceed NFPA requirements
- Weight 9 3/8 lbs.

#### Adapter Options:

MES1-S 90° Elbow

PI-S Female NPT

M1-S Male

FI-S Female Swivel

FI-SS Female Swivel with Strainer



Self Locking  
Tork-Lok® for Easy  
Positioning

Optional Body with  
Thru Holes for Direct  
Connection to  
a Manifold

Optional  
Swiveling 90°  
Elbow (ME1-S)

Style 7725

## Manual Actuators

- R-1** Handle for remote valve operation of 8800 Series Swing-Out Valves
- TS** Handle for direct valve operation through the panel operation of 8800 Series Swing-Out Valves
- TSC** Handle with cover for exterior mounted 8800 Series Swing-Out Valves  
- Same as the TS handle, with cover
- SZ** Handle with Twist Lock for direct valve operation through the panel of 8625-8635 Swing-Out Valves



## Handwheel Actuators

Handwheel Actuators are used for smooth, precise operation of valves such as on a deck gun, large diameter side discharge or ladder pipe.

- Fits 2" - 4" valves
- Handwheel driven worm gear rotates a gear sector for smooth and easy operation under pressure
- 2" - 3 1/2" valves have a 50:1 ratio and a 4" handwheel
- 8840 valves have a 50:1 ratio and a 6" handwheel
- Number of turns for full open/close:
  - 2" - 3 1/2" Swing-Out™ valves - 12 1/2 turns
  - 7840 - 16 turns
  - 8840 - 12 1/2 turns
- Opening and closing speed complies with the current NFPA standard to minimize effects of water hammer
- Helps prevent valve drift and accidental slamming open or closed
- Position Indicators for gear operated valve
- Optional Position Indicators show the valve position to meet NFPA 1901
  - Must specify landscape (side mount) or portrait (top mount)
  - Size: 3 1/2" x 5 3/4"
- Auxiliary Position Indicator - optional



2" - 3 1/2" Manual Gear Actuator



Position Indicator (landscape)

## Electric Actuators

Akron's electric actuator is now equipped with a magnet in the trunion to provide true position feedback. The motor, pressure, and flow sensor connections are all located right on the valve for shorter wire runs and simpler installation. The electronics are fully sealed and utilize deutsch connectors for long life and reliability.

- Speed of valve opening and closing is preset to comply with the current NFPA 1901 Standard
- Operates on 12 or 24V apparatus electrical systems - Must specify
- Gear drive ratio:
  - 2" - 3 1/2" Swing-Out™ Valves - 16:1
  - Style 8840 - 25:1
  - Style 7840 and Butterfly Valves (4" - 8") - 64:1
  - Works with Weco & Keystone Butterfly Valves
- Manual override

See page 88 for dimensions



Electric Actuator shown mounted on a Swing-Out Valve



8" Butterfly Electric Actuator



# Swing-Out™ Valves Actuators

## Air Actuator

Air Actuators operate off the apparatus air supply and are equipped with an emergency override. Designed for full open/close applications only. Units are supplied with two air flow control valves to regulate the opening and closing valve speed to comply with the current NFPA 1901 Standard.

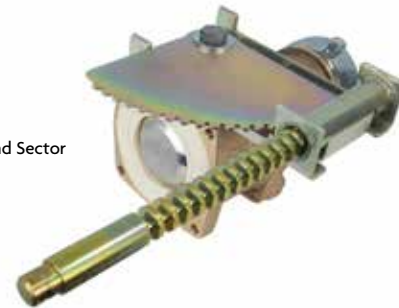
- Operates from -40° F to 125° F and requires 100-120 psi air pressure
- Available on 4" Swing-Out and all Butterfly Valves
- Solenoid and switch not included



Air Actuator shown with  
factory supplied  
Air Control Valves

## Rack And Sector Actuator

Minimizes troublesome linkage problems associated with remote handles. The Rack and Sector Actuator is usable with most pumps (depending on pump panel width). Available on 2 1/2" - 3 1/2" valves.



Rack and Sector

## Valve Actuator Dimensions

	Air Actuator		Handwheel Actuator			Rack & Sector		Slo-Cloz™		Standard Electric	
Size	A	B	A	B	C	A	B	7875	7675	A	B
2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	-	-	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
2 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 1/2" (89 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
4"	8 1/2" (216 mm)	5 3/4" (146 mm)	12 7/16" (316 mm)	3 1/8" (79 mm)	6" (152 mm)	-	-	-	-	12 1/4" (311 mm)	4 1/8" (105 mm)

## Slo-Cloz™

The Slo-Cloz reduces the chances of ruptured water lines, burst hose, or damaged seats and gaskets by controlling the opening and closing speed of the valve. The unit fits Tork-Lok® and current 2" - 3 1/2" locking and non-locking valves as well as valves with a Rack and Sector Actuator. Meets NFPA 1901.

### 7675 Slo-Cloz

- Use with 8620-8635 non locking valves
- 2 1/2" - 3 1/2" valves with a Rack & Sector Actuator

### 7875 Slo-Cloz

- Use with 8820-8835 Tork-Lok and self locking valves

Style 7875



### T-Handles

- Push/Pull Remote Controls or sold separately
- 1 7/8" long, 3 1/2" wide, and weighs 4 oz

#### 1489 Plain T-Handle

- 1/2" bore - 3/4" deep
- Threaded: 3/8" - 24
- 3/8" - 16
- 1/2" - 13
- 1/2" - 20
- 10 - 32
- Brass

#### 1490 T-Handle with Recess

- Recessed Pad for I.D. tag
- 2 recess sizes:
  - 2 9/16" x 25/32"
  - 2 31/32" x 1"
- 1/2" diameter bore for rod
- Die cast zinc



Style 1489

### Push/Pull Remote Controls

Push/Pull Remote Controls operate in-line valves from the pump panel. Remote Controls can be used with Swing-Out™ Valves through 3 1/2" with R-1 Handles and are lockable in any position. The remote controls are furnished with an escutcheon plate, male or female swivel joint and stainless steel spring locks.

- Two stroke lengths available:
  - 8 1/4" for 1", 1 1/2", and 2" valves
  - 11 1/4" for 2 1/2", 3, and 3 1/2" valves
- Optional ball joint assembly
- Weight: 2 lbs.



Style 1477

Optional Ball Joint Assembly shown on an R-1 Handle



Male or female swivel joint

#### 1477 Push/Pull Remote Control with Recessed T-Handle

#### 1478 Push/Pull Remote Control with Plain T-Handle

### Piggy-Back Remote Control Kits\*

For operating 2 1/2" - 3 1/2" valves on the opposite side of the pumper. Valves must be ordered separately.

#### 7592 Piggy-Back Remote Control

- Operates an off-side valve from the pump operator's panel
- SZ Handle

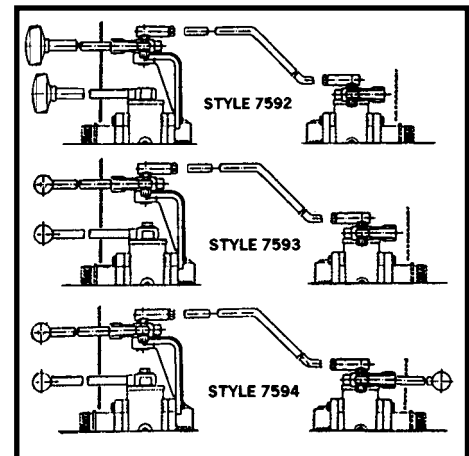
#### 7593 Piggy-Back Remote Control

- Operates an off-side valve from the pump operator's panel
- TS Handle

#### 7594 Piggy-Back Remote Control

- Operates an off-side valve from both sides of the truck
- TS Handle

\* Cannot be used with Slo-Cloz



### Top-Mount Remote Control

Designed for operating valves from top-mounted operators panel.

#### 101 Top-Mount Remote Control

- Control handle positioned 90° from remote handle
- Additional pre-drilled hole for setting control handle at 135°
- Heavy-duty all brass brake band
- Cast brass construction with stainless steel handle rod
- Remote Handle Lengths- 3 1/2" (Style 101) & 5" (Style 102)



Style 102





# Navigator™ Pro Valve Controller

## Navigator Pro Valve Controller

The Valve Controller from Akron Brass provides reliable and accurate valve control with valve position indication. It is packed with user friendly features that improve operation effectiveness and safety.

### 9323 Electric Valve Controller

- Valve open and close.
- Full color LCD display that does not wash out in bright sunlight and visible from all angles.
- True position feedback from the valve.
- User programmable presets. Easy to configure for the first time and then to activate on the fire scene.
- % open text shown on valve bar graph. Can be disabled if it is not desired.
- Color indication available. Optional color indicators are available as well as the ability to program in the valve name and the discharge color on the top bar of the display.
- USB port on-board. Software for display and motor driver can be easily updated via USB flash drive.
- Easy to navigate setup menu. With additional buttons, menus are much easier to navigate and configure.
- Auto dimming capability. Display will sense ambient light and adjust brightness automatically. This feature can be disabled if a set brightness is desired in all conditions
- Multiple display. Multiple displays can be used to control the same valve. No longer limited to two displays - 3, 4 or even 5 can be used and easily installed.
- Auto open. When option is turned on and valve is closed, pressing the open button once will automatically open the valve all the way.
- CAN networked. System communicates using standard J1939 CAN protocol. Allows for flexible networked installations where needed.
- Installation flexibility with multiple options for power connections. Power for the motor can be run from the display or powered directly at the valve.
- For use only with Navigator Pro Electric Actuator. See page 87 for Actuator details.



STYLE 9323 Navigator Pro  
Shown in Closed Position

### 9325 Navigator Pro Controller

All the same features as the 9323, plus the following:

- Valve open and close.
- Optional pressure display. Can be displayed in PSI, kPa or bar.
- Optional flow display. Can be displayed in GPM or LPM.
- CAFS integration: turn CAFS on and off.
- Make sure even the most turbulent of flows is accurate with available custom calibration. Now easier than ever to custom calibrate the flow sensor through an easy to navigate menu.
- Zero cutoff feature to eliminate ghost readings when installed close to the pump.
- Totalizer function. Controller will calculate the volume of water flowed, through the paired valve. Resets every time the power is cycled to the valve. When networked with other 9325 controllers, total flow across all valves is shown.



Optional color indicators available in standard NFPA 1901 specified colors. Available on Styles 9323 and 9325.



Style 9325 Navigator Pro with  
Pressure and Flow

## Flow/Pressure Meter

- Programmed Calibration - More reliable than mechanical methods
- More accurate through broad ranges of flow
  - Technically advanced electronics
- Flow & Pressure - One meter provides both flow and pressure readings
- Easy Installation - Valve Adapters available for quick/easy installation. Saddles and Weld Bosses also available
- Fully Tested - Vibration, high & low temperature, high flow & pressure, endurance, actual field tests
- Meets NFPA 1901 for accuracy

### 9300 Flow/Pressure Meter

- Includes Meter, Flow Sensor, Pressure Transducer and Cables
- Order Flow Port Valve Adapters with the valve
- Saddle clamp and Weld Bosses must be ordered separately



Style 9300  
Flow and  
Pressure Meter

### NOTE: Exclusive Programmed Calibration

Unique plumbing configurations are not a problem. The Akron Flow/Pressure Meter is the only unit in the fire service designed to be custom calibrated to individual applications for superior accuracy. This is particularly valuable when a sensor is close to a valve or elbow.



## Intake Pressure Relief Valve

### 59 Intake Pressure Relief Valve

For mounting on main pump intakes with a four bolt flange. Field adjustable pressure setting.

Style	Outlet	Inlet Flange	Pressure Range*	Weight
59	2.5" NPT 2.5" NH 2.5" VIC	4 <sup>3</sup> / <sub>8</sub> " 4 <sup>19</sup> / <sub>32</sub> "	50 - 175 PSI	14 <sup>3</sup> / <sub>8</sub> lbs

\* Factory set at 125 PSI



Style 59





# Butterfly Valves

## Butterfly Valves

Available in 4", 4 1/2", 5", and 6" full flow sizes. Meets NFPA 1901 Standard for opening and closing speed when used with Gear\*, Air or Electric Actuators. Manual quarter-turn handle is available for dump valve applications. Body and adapters are lightweight pyrolite construction. Optional drain valve available.

Optional Inlets & Outlets:

- Male
- Female NPT
- Female Swivel (Rocker lug or long handle)
- Victaulic
- Storz (Swivel standard on 4" & 5", 6" rigid only)

Style	Size	Length	Weight lbs. (kg)**	Operating Pressure (PSI)
7940	4" (101 mm)	9 1/2" (241 mm)	21 1/4 (9.6 kg)	250
7945	4 1/2" * (114 mm)	9 3/4" (248 mm)	27 1/4 (12.7 kg)	250
7950	5" (125 mm)	10" (254 mm)	28 1/2 (12.9 kg)	250
7960	6" (152 mm)	10" (254 mm)	35 1/2 (16.1 kg)	250

\* Not compatible with position indicator

\*\* Body weights and lengths with rocker lug female x male with handwheel actuator



## Heavy-Duty Jamesbury® Butterfly Valves NEW

The trusted and proven Navigator™ Pro electric actuator is now paired with the rugged Jamesbury high performance butterfly valve and available as a complete, tested package. The Jamesbury butterfly valve has proven itself in the fire industry as a long lasting, high performing, and reliable valve.

- Available in 4", 5", 6" and 8" full flow sizes in carbon or stainless steel (must specify when ordering)
- Heavy-duty electric actuator with true position feedback
- For use with Style 9323 or 9325 Navigator Pro valve controllers
- Designed to mate directly to ANSI 150# flanges
- Meets NFPA 1901 requirements

Jamesbury® is a registered trademark of Metso Automation USA Inc.



Style 9325 Navigator Pro with Pressure and Flow



Style 9323 Navigator Pro Shown in Closed Position



Style	Size	Valve Body Material	Weight	Length	Overall Width	Butterfly Body Width	Height	Max Operating Pressure
7941	4" (101.6 mm)	Carbon Steel	35 lb (16 kg)	12.25" (311 mm)	6.2" (157 mm)	2.13 (54.1 mm)	15.7" (399.8 mm)	250 psi (17 bar)
7942	4" (101.6 mm)	Stainless Steel	35 lb (16 kg)	12.25" (311 mm)	6.2" (157 mm)	2.13 (54.1 mm)	15.7" (399.8 mm)	250 psi (17 bar)
7951	5" (127 mm)	Carbon Steel	44 lb (20 kg)	12.25" (311 mm)	7.3" (185 mm)	2.5 (63.5 mm)	16.5" (419 mm)	250 psi (17 bar)
7952	5" (127 mm)	Stainless Steel	44 lb (20 kg)	12.25" (311 mm)	7.3" (185 mm)	2.5 (63.5 mm)	16.5" (419 mm)	250 psi (17 bar)
7961	6" (152.4 mm)	Carbon Steel	50 lb (22.7 kg)	14" (355.6 mm)	8.5" (216 mm)	2.25 (57.2 mm)	18.5" (470 mm)	250 psi (17 bar)
7962	6" (152.4 mm)	Stainless Steel	50 lb (22.7 kg)	14" (355.6 mm)	8.5" (216 mm)	2.25 (57.2 mm)	18.5" (470 mm)	250 psi (17 bar)
7971	8" (203.2 mm)	Carbon Steel	68 lb (31 kg)	14" (355.6 mm)	10.6" (270 mm)	2.5 (63.5 mm)	24" (610 mm)	250 psi (17 bar)
7972	8" (203.2 mm)	Stainless Steel	68 lb (31 kg)	14" (355.6 mm)	10.6" (270 mm)	2.5 (63.5 mm)	24" (610 mm)	250 psi (17 bar)



### Drain Valves

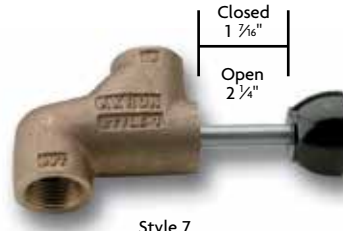
- 57 Quarter Turn Drain Valve**
- T-handle extends 2" from the panel for easy turning
  - Available in 0° or 90° handle position - Must specify
  - For hydrostatic pressures up to 500 psi
  - 3/4" NPT threads
  - Weight: 1 1/2 lbs.
- 4 Drainit Drain Valve**
- Small, compact drain valve
  - 3/4" NPT male thread
  - Opening equivalent to 3/8" diameter hole
  - Length: 2 1/4"
  - Weight: 10 oz.
- 7 3/4" Drain Valve**
- Push-pull valve for draining discharge, suction, or in-line valves
  - For hydrostatic pressures up to 500 psi
  - Brass handle shaft and body
  - 3/4" NPT female inlet and outlet thread
  - Weight: 1 1/4 lbs.



Style 57  
Shown with large  
recess handle



Style 4



Style 7

Closed  
1 3/16"  
Open  
2 1/4"

### Gate Valves

A heavy-duty wedge seat gate valve with a non-rising stem and crank handle for easy operation at standard operating pressures.

- 285 2 1/2" Gate Valve - Brass**
- 2285 2 1/2" Gate Valve - Pyrolite**
- 2286 3 1/2" Gate Valve - Pyrolite**
- Less than 1 psi friction loss @ 1500 gpm



Style 285



Style 2285



Style 2286

Style	Material	Size	Length	Weight lbs. (kg)	Max Operating Pressure	Inlet	Outlet	Number Of Turns
285	Cast or Chrome	2 1/2" (65 mm)	5 1/2" (140 mm)	13 (5.9 kg)	250 PSI (17 bar)	2 1/2" F (65 mm)	2 1/2" M (65 mm)	5
2285	Pyrolite	2 1/2" (65 mm)	5 1/2" (140 mm)	4 (1.8 kg)	250 PSI (17 bar)	2 1/2" or 3" F (65 or 75 mm)	2 1/2" or 3" M (65 or 75 mm)	21
2286	Pyrolite	3 1/2" (89 mm)	7 1/4" (184 mm)	10 (4.5 kg)	250 PSI (17 bar)	3" - 5" F (75 - 125 mm) 4" - 5" Storz (100 - 125 mm)	3" - 5" M (75 - 125 mm) 4" - 5" Storz (100 - 125 mm)	31

### Hydrant Valve

- 1828 2 1/2" Hydrant Valve**
- A full flow valve with a Tork-Lok® handle for more positive handle positioning.



Style 1828

Style	Material	Size	Length	Weight lbs. (kg)	Max Operating Pressure	Inlet	Outlet
1828	Pyrolite	2 1/2"	7 1/4" (184 mm)	7 1/2 (3.4 kg)	300 PSI (21 bar)	2 1/2" F (65 mm)	2 1/2" M (65 mm)



# Hydrant & Intake Valves

## Revolution™ Intake Valve **NEW**

The Revolution Intake Valve is like no other. Featuring a unique patent-pending handwheel design, the Revolution provides the operator more control and leverage for a smooth and easy operation. This revolutionary valve is constructed of corrosion-resistant, hard-anodized aluminum and stainless steel with a powder coated interior and exterior finish for superior corrosion protection.

### Compact Design

Its compact design saves valuable space on your pump panel. The revolutionary handwheel design hugs tightly to the valve body eliminating possible interference with surrounding discharges and equipment on the pump panel.

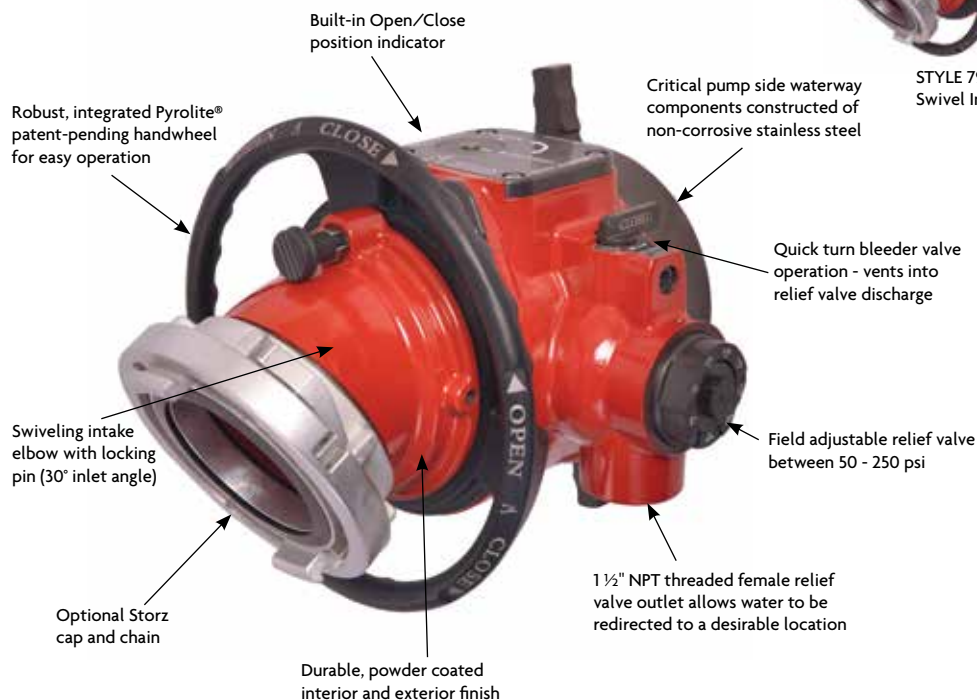
### Revolutionary Features

The Revolution has all of the standard features you would expect from an intake valve with flows capable up to 2000 gpm (7600 lpm) making it ideal for the most demanding apparatus intake applications.

- Field serviceable design
- NFPA 1901 compliant
- 10 year heavy duty warranty\*

### 7982 Revolution Intake Valve with Swiveling Elbow

### 7983 Revolution Intake Valve without Swiveling Elbow



STYLE 7982  
Swivel Inlet



STYLE 7983  
Straight Inlet



\*Limited to  
Manufacturer Defect  
and Corrosion

Style	Inlet Options	Outlet	Height	Depth	Width	Weight	Max Operating Pressure	Maximum Flow	Friction Loss (@ 2000 GPM)
7982	4", 5" or 6" (100, 125 or 150 mm) Storz** 4" or 5" (100 or 125) Full Time Storz Swivel 4", 4 1/2", 5" or 6" (100, 110, 125 or 150 mm) Male 4", 4 1/2" or 5" (100, 110 or 125 mm) Female	5" or 6" (125 or 150 mm) Rocker Lug or Long Handle***	12.3" (312 mm)	14.9" (378 mm)	14.25" (362 mm)	40 lbs. (18.2 kg)	250 psi (17 bar)	2000 GPM (7600 LPM)	7 PSI (.5 bar)
7983	4", 5" or 6" (100, 125 or 150 mm) Storz** 4" or 5" (100 or 125) Full Time Storz Swivel 4", 4 1/2", 5" or 6" (100, 110, 125 or 150 mm) Male 4", 4 1/2" or 5" (100, 110 or 125 mm) Female	5" or 6" (125 or 150 mm) Rocker Lug or Long Handle***	12.3" (312 mm)	11.75" (300 mm)	14.25" (362 mm)	38lbs. (17.2 kg)	250 psi (17 bar)	2000 GPM (7600 LPM)	7 PSI (.5 bar)

\* Refer to the full warranty statement for complete details, Limited to manufacture defects and corrosion.

\*\* Cap and chain optional

\*\*\* 6" only





### Hydrant Valve

#### 627 4-Way Hydrant Valve

This valve allows you to provide water to the fire at hydrant pressure, while waiting for a second pumper to hook up and increase flow and pressure.

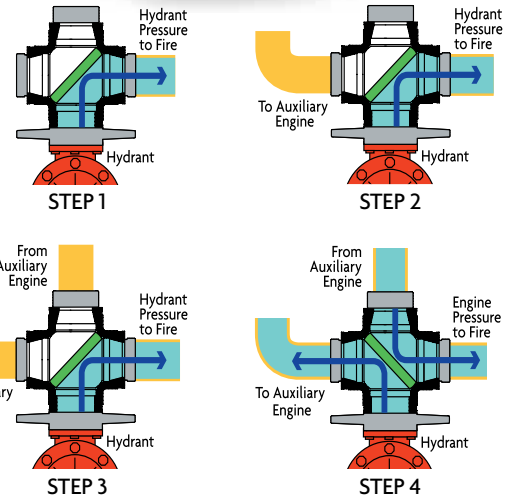
- Flow efficient 3 1/2" waterway
- 75 psi maximum pressure differential during changeover
- 300 psi maximum operating pressure
- 1000 gpm maximum flow when changing the ball position
- Mounting bracket available

#### How It Works:

- Step 1** - Attach the 4-Way Hydrant Valve to the hydrant and forward lay to the engine at fire scene.
- Step 2** - Attach a hose from the 4-Way Hydrant Valve to the intake on the engine at the hydrant.
- Step 3** - Attach a hose from the discharge on the engine at hydrant to the 4-Way Hydrant Valve inlet. Establish recirculating flow at hydrant pressure.
- Step 4** - Rotate the handwheel on top of the 4 way Hydrant Valve to introduce pressurized flow from the engine at the hydrant to the engine at the fire scene. Increase pressure on the pumper to increase flow as required.



Style 627



Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet	Flow		Connections			
							GPM	LPM	A	B	C	D
627	Pyrolite®	13 3/4" (349 mm)	13 3/4" (349 mm)	42 (19 kg)	2 1/2" - 5" F* (65 - 125 mm)	2 1/2" - 5" M (65 - 125 mm)	1500	3800	4" - 6 (100 - 150 mm) threads or Rigid Storz	2 1/2" - 6 (65-150 mm) threads or 4" - 5" (100-125 mm) Rigid Storz	2 1/2" - 6 (65-150 mm) threads or 4" - 5" (100-125 mm) Rigid Storz	2 1/2" - 6 (65-150 mm) threads or 4" - 5" (100-125 mm) Rigid Storz

\* Hydrant inlet 4" - 5" (100 - 125 mm) only

### Black Max Piston Intake Valve

#### 7980 Black Max Piston Intake Valve

Corrosion resistant stainless steel and poly- impregnated aluminum are combined for a durable Piston Intake Valve. A large unique oval waterway increases efficiency while reducing the overall size. All this, plus a special 10 year warranty against corrosion makes the Black Max the obvious choice for today's fire service.

#### Standard Features:

- Stainless steel piston housing
- Compact size - Extends only 11 15/16" from the pump panel
- 250 psi operating pressure
- Polymer Piston for improved corrosion resistance
- Large waterway with a cast-in turning vane for reduced turbulence and efficient flow
- Pressure relief valve adjustable from 50 - 250 psi (factory preset @ 150 psi)
- 53° elbow
- 3/4" air bleeder valve

#### Optional Features:

- Storz cap and chain
- Air bleeder lines



\*Limited to  
Manufacturer Defect  
and Corrosion



Style 7980

Style	Female Swivel Inlet	Outlet	Height	Depth	Width	Weight
7980	4", 5" or 6" (100, 125 or 150 mm) Storz* 4" or 5" (100 or 125) Full Time Storz Swivel 4", 4 1/2", 5" or 6" (100, 110, 125 or 150 mm) Male 4", 4 1/2" or 5" (100, 110 or 125 mm) Female	5" or 6" (125 or 150 mm) Rocker Lug or Long Handle**	18 7/8" (479.4 mm)	11 15/16" (303.2 mm)	9 9/16" (242.8 mm)	30 lbs. (13.6 kg)

\* Cap and chain optional

\*\* 6" only



# Wyes & Water Thief

## Gated Wyes

### 1480 1 1/2" Wye

### 1482 Hydrant Wye

- Self-locking Tork-Lok® handles for positive handle positioning

### 1581 Leader Line Wye

- Self-locking Tork-Lok® handles for positive handle positioning

### 1582 Hydrant Wye

- Self-locking Tork-Lok handles for positive handle positioning

### 2580 1 1/2" Wye

- High strength polymer handles

### 2581 Leader Line Wye

- High strength polymer handles

### 2582 3-Way Hydrant Wye

- Self-locking Tork-Lok handles for positive handle positioning

### 2681 Leader Line Wye

Designed for heavy-duty use in severe environments.

- High strength polymer handles & balls standard
- Optional metal handles & balls

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
1480	Brass	5 1/8" (130 mm)	6 5/8" (168 mm)	11 1/4 (5.1 kg)	1 1/2" F (38 mm)	(2) 1 1/2" M (38 mm)
1482	Brass	8 1/4" (209 mm)	12" (305 mm)	31 1/4 * (14.2 kg)	2 1/2" - 6" F (65-150 mm)	(2) 2 1/2" M (65 mm)
1581	Pyrolite®	5 3/4" (146 mm)	6 3/4" (171 mm)	5 1/2 (2.5 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M (38 mm)
1582	Pyrolite	9 1/2" (241 mm)	11" (279 mm)	16 3/4 * (7.6 kg)	2 1/2" - 6" F, (65-150 mm) 4" or 5" Storz (100 or 125 mm)	(2) 2 1/2" M (65 mm)
2580	Pyrolite	5 1/2" (140 mm)	7" (178 mm)	3 (1.4 kg)	1 1/2" F (38 mm)	(2) 1 1/2" M (38 mm) or (2) 1" M (25 mm)
2581	Pyrolite	5 1/2" (140 mm)	7" (178 mm)	3 (1.4 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M (38 mm)
2582	Pyrolite	11 3/4" (298 mm)	15 1/2" (394 mm)	24 1/2 * (11 kg)	2 1/2" - 6" F, (65-150 mm) 4" or 5" Storz (100 or 125 mm)	(3) 2 1/2" M (65 mm)
2681	Brass	7 1/2" (19 cm)	5 1/4" (13.3 cm)	10 1/2 (3.4 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M (38 mm)

\* Weight with 4 1/2" (11.4 cm) inlet



Style 1480



Style 1482



Style 1581



Style 1582



Style 2580



Style 2581



Style 2582



Style 2681

## Plain Wyes

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
260	Brass	6 3/4" (171 mm)	8" (203 mm)	7 * (3.2 kg)	2 1/2" - 6" F (65-150 mm)	(2) 1 1/2" or 2 1/2" M (38 or 65 mm)
1260	Pyrolite	9 1/8" (232 mm)	8" (203 mm)	6 3/4 * (3.1 kg)	2 1/2" - 6" F ** (65-150 mm)	2" - 2 1/2" M ** (50 - 65 mm)

\* Weight with 4 1/2" (114 mm) inlet

\*\* Storz optional



Style 260



Style 1260

## Water Thief

For extending 1 1/2" or 2 1/2" lines without interfering with the operation of other lines.

Includes Self-locking Tork-Lok handles for more positive handle positioning.

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
1573	Pyrolite	9 3/8" (238 mm)	10 1/2" (267 mm)	12 (5.4 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M & (1) 2 1/2" M (38 & 65 mm)
273	Brass	9 3/8" (238 mm)	10 1/2" (267 mm)	27 (12.5 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M & (1) 2 1/2" M (38 & 65 mm)



Style 1573



### Clappered Siamese

- 262 Clapper Valve Siamese**  
A brass Clapper Siamese with a leather carrying handle and 3/4" drain plug
- 266 Clapper Valve Siamese**  
A brass Clapper Siamese in sizes up to 6"
- 1256 3-Way Clapper Valve Siamese - Pyrolite®**  
Three 2 1/2" female inlets x 4" to 6" male or female outlet. Includes Style 4 Dranit drain valve and rubber carrying handle  
• 200 psi operating pressure  
• Optional Pressure Gauge
- 1262 Clapper Valve Siamese**  
A Pyrolite Clapper Siamese includes a Style 4 Dranit drain valve and a rubber carrying handle
- 1267 Clapper Valve Siamese**  
A Pyrolite Clapper Siamese includes a Style 4 Dranit drain valve and a rubber carrying handle

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
262	Brass	7 3/4" (197 mm)	9" (229 mm)	14 1/2 (6.6 kg)	(2) 2 1/2" F (65 mm)	2 1/2" or 3" M (65 or 75 mm)
266	Brass	8" (203 mm)	9" (229 mm)	21 1/4 * (9.6 kg)	(2) 2 1/2" F (65 mm)	3" - 6" F (75 - 150 mm)
1256	Pyrolite	12 3/4" (323 mm)	14 3/4" (375 mm)	15 1/2 (7 kg)	(3) 2 1/2" F (65 mm)	2 1/2" - 6" M or F (65-150 mm)
1262	Pyrolite	8 1/2" (216 mm)	9 3/8" (238 mm)	7 1/4 (3.3 kg)	(2) 2 1/2" F (65 mm)	2 1/2" or 3" M (65 or 75 mm)
1267	Pyrolite	9 3/8" (238 mm)	9 3/8" (238 mm)	9 1/2 (4.3 kg)	(2) 2 1/2" F (65 mm)	2 1/2" - 6" F, (65-150 mm) 3 1/2" - 6" M, 4" or 5" Storz (89-150, 100 or 125 mm)

\* Weight with 4 1/2" (114 mm) outlet



Style 262



Style 266



Style 1256



Style 1262



Style 1267

### Gated Siamese

Siamese with quarter-turn valves provide a positive shutoff and easier operation. All 2 1/2" swivel inlets are supplied with strainers.

- 1483 Suction Siamese**  
• Tork-Lok handles for positive handle positioning  
• Used on pumper suction or aerial platform inlets
- 1583 Suction Siamese**  
Used on pumper suction or aerial platform inlets. Features Tork-Lok® handles for positive handle positioning.  
• Drain valve optional
- 2583 3-Way Suction Siamese**  
Used on pumper suction or aerial platform inlets. Features Tork-Lok handles for more positive handle positioning.  
• Drain valve optional

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
1483	Brass	9 1/8" (232 mm)	11 1/2" (292 mm)	35 3/4 * (16.2 kg)	(2) 2 1/2" F (65 mm)	2 1/2" - 6" F or M (65 - 150 mm)
1583	Pyrolite®	9 1/4" (235 mm)	11 1/2" (292 mm)	16 * (7.3 kg)	(2) 2 1/2" F (65 mm)	2 1/2" - 6" F or M 4" or 5" Storz (65 - 150 or 100 or 125 mm)
2583	Pyrolite	11 3/4" (298 mm)	16" (298 mm)	26 1/2 * (12 kg)	(3) 2 1/2" F (65 mm)	2 1/2" - 6" F or M 4" or 5" Storz (65 - 150 or 100 or 127 mm)

\* Weight with 4 1/2" (114 mm) inlet



Style 1483



Style 1583



Style 2583

### Plain Siamese

- 261 Plain Siamese**

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
261	Brass	6 1/2" (165 mm)	9" (228 mm)	8 1/4 (3.7 kg)	(2) 2 1/2" F (65 mm)	2 1/2" or 3" M (65 or 75 mm)



Style 261