

# Swing-Out™ Valves

Akron® Brass offers a wide variety of valves to meet the demands of today's fire service. Every Akron apparatus valve features the unique Swing-Out design for quick and easy servicing with no need to remove valves from the plumbing. The Swing-Out Valve bodies and adapters are constructed of high quality brass and other corrosion resistant material. Akron Swing-Out Valves feature self-adjusting seats (no o-rings to cut or tear during servicing) creating a quality seal to hold pressure and vacuum in both directions, along with durable handles and handle stops, all built for rugged use. A unique one-piece stop plate allows the handle to be quickly changed to 8 different positions by removing a single bolt. All Swing-Out Valves are designed for operating pressures to 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.

## Heavy Duty Swing-Out Valves

The heavy-duty valve is designed for the harsh realities of today's fire service when water contaminants challenge a valve's sealing capabilities.

- Available in 1" to 3 1/2" sizes
- 90° handle travel
- 316 stainless steel ball for longer valve life
- Improved sealing & increased gating ability
- Flow optimization reduces turbulence while in the gated position and requires lower operating forces
- 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 (See page 158-165)
- Designed and tested to exceed NFPA requirements
- Cast, machined and assembled at our facilities in Wooster, Ohio

### 8600 Heavy Duty Swing-Out Valve Series

- Use with SZ Twist Lock Handle, Manual Gear, Electric or Rack and Sector Actuators

### 8800 Heavy Duty Swing-Out Valve Series "Self-Locking Valves"

- Use with the R-1 Handle for remote operation or the TS and TSC Handles for direct operation

### 8800 Valve Weights with (2) P1-S Adapters x R-1 Handle

SIZE	WEIGHT LBS.
1"	4 7/8
1 1/2"	7 3/8
2"	12 3/4
2 1/2"	19 3/8
3"	25 7/8
3 1/2"	26 1/8

## HEAVY-DUTY VALVES



\*Limited to Manufacture Defects

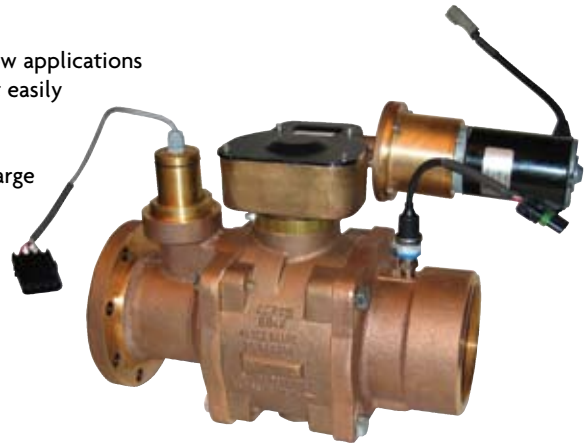


8825 X P1-S X ME1-S X TSC

## 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
- Wide range of available adapters (See page 143-149)
- 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
- Small 6" chrome handwheel
- Weight: 36 lbs. (with electric actuator, less adapters)
- Wide range of available adapters (See page 158-165)



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

## 4" Swing-Out Valve

### 7840 4" Swing-Out Valve

- Designed for tank to pump use, deck gun or other higher flow applications
- Air, handwheel or electric actuation only



Style 7840

## 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
- MI-S Male
- FI-S Female Swivel
- FI-SS Female Swivel with Strainer



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

