

Heavy Duty Brass Swing-Out™ Valves


Akron Brass offers 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.

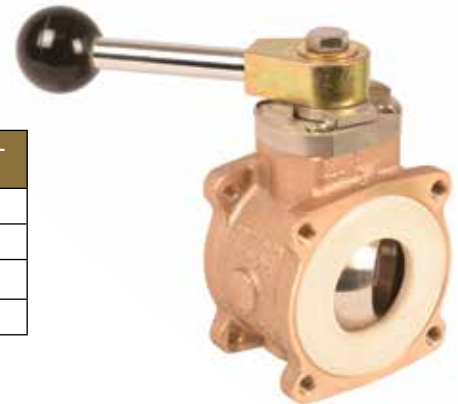


- A single valve body that will accept a variety of actuators.
- HydroMax™ technology: A ball geometry providing superior gating performance and flow characteristics
- No lubrication or regular maintenance required
- Simple two seated design (no O-Rings to cut or lose during assembly or maintenance)
- Wide range of available adapters
- High quality brass body cast, machined and assembled at our facility in Wooster, Ohio
- Available in 1"- 4" sizes
- See Valve Guide on pages 158 - 167 for more details

1" and 1.5" Swing-Out Valves






Commonly used on smaller trucks and lower flow applications, the 1" and 1.5" Swing-Out valves are available with a wide range of adapters and are simple to install and maintain throughout the life of the apparatus.

	Style	Size	Ball Type	Operating Pressure (psi)	Hydrostatic Pressure (psi)
	8810	1"	Stainless Steel	500	1000
	8910	1"	Polymer	500	1000
	8815	1.5"	Stainless Steel	250	500
	8915	1.5"	Polymer	250	500



Style 8815 with TS Handle

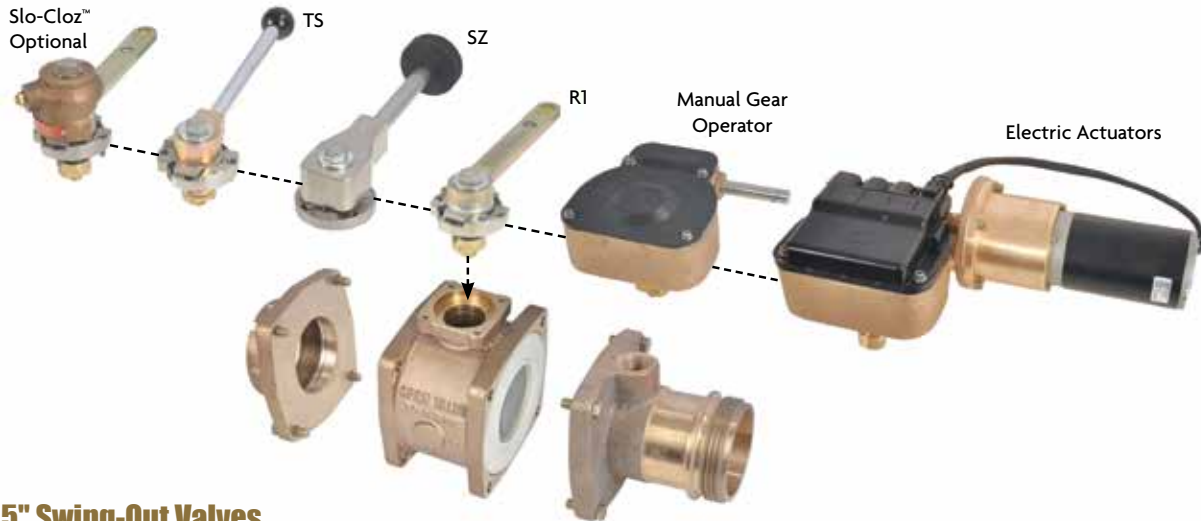
Actuator Options

	Actuator Type	Available Lengths*	Available Accessories
	R1	3 1/2", 1 or 2 holes	
	TS	5" or 8"	-
	TSC	5" or 8"	-

*See valve guide in technical data section for more details



Style 8810 with R1 Handle



2" - 3.5" Swing-Out Valves

The 2" and larger Swing-Out valves are commonly used across all types of fire apparatus. With the broadest selection of adapters and options for actuation they have everything you need for your apparatus water flow control.

	Style	Size	Ball Type	Operating Pressure (psi)	Hydrostatic Pressure (psi)
	8620/8820*	2"	Stainless Steel	250	500
	8920	2"	Polymer	250	500
	8625/8825*	2.5"	Stainless Steel	250	500
	8925	2.5"	Polymer	250	500
	8630/8830*	3"	Stainless Steel	250	500
	8930	3"	Polymer	250	500
	8635/8835*#	3"	Stainless Steel	250	500
	8935#	3"	Polymer	250	500

High Performance Polymer Ball with HydroMax






Stainless Steel Ball with HydroMax



* 8600 series valves for use with Gear, Electric and Air Actuators
3.5" valves use the same body and ball as the 3" valves but include 3.5" adapters

Actuator Options

	Actuator Type	Available Lengths*	Available Accessories	Compatible Style Numbers
	R1	3.5", 4.5", 6.75"; 1, 2 or 3 hole**		8800, 8900
	TS	5", 7", 9 1/4", 11"		8800, 8900
	TSC	5", 7", 9 1/4", 11"	-	8800, 8900
	Rack and Sector †	-		8600, 8900
	SZ	7", 9.25", 10.75"		8600, 8900***
	Gear	-		8600, 8900
	Electric	-		8600, 8900

*See valve guide in technical data section for more details

**4.5" 3 hole handle standard for 2" valves, 6.75" 2 hole handle standard for 2.5" - 3.5" valves

***Available on 2.5" - 3.5" valves only

† Rack and sector body is unique to rack and sector assembly and not interchangeable and other actuators

4" Swing-Out Valves

8840 Heavy Duty 4" Swing-Out Valve With Flat Ball Design

- Designed for tank to pump use, deck gun or other higher flow applications
- Flat ball concept has spherical seating surface that easily closes and seals on the seat
- Use with air, gear or electric actuators
- Short 4" long body length. 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. (16.3 kg) (with electric actuator, less adapters)
- Wide range of available adapters (See pages 158-167)



Style 8840 with Electric Actuator



Style 8840 with Air Actuator

8940 4" Swing-Out Valve

- Designed for tank to pump use, deck gun or other higher flow applications
- Air, gear or electric actuation only
- High performance full flow polymer ball
- Number of turns for full open/close of gear actuator: 16



Style 8940 with Gear Actuator



Style 8940 High Performance Polymer Ball