

Generation II Heavy Duty Swing-Out™ Valves

8600, 8800, & 8900 Series

Akron Brass continues to offer a wide variety of apparatus valves to meet the demands of today's fire service. Akron's legendary Swing-Out valve has been further enhanced with three major upgrades:

- 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.
- All new Fusion CF™ composite ball: a composite ball with Heavy-Duty performance.



Generation II Heavy Duty Swing-Out Valves

- Accommodates R1, TS, TSC, SZ, manual gear and electric actuators
- Single valve body available in 2" thru 3 ½" sizes
- Provides flexibility and convenience in original installations
- Drop-in replacement for our current valves
- 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 Series

- Available actuators: SZ, Manual Gear, Electric and Rack and Sector
- Available in 2" thru 3 ½" sizes
- 316 Stainless Steel ball with HydroMax™ technology

8800 Series

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

8900 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

*Rack and Sector not available with Generation II Body
 ** 4" valve only available with manual gear, electric or air actuators



What is HydroMax technology?

HydroMax technology is a patent pending ball geometry. This unique geometry is used in all Generation II valves and was designed specifically for the Stainless Steel and new Fusion CF Swing-Out valve balls. With this technology, the valve operating torque is LOWER and the gating flow is HIGHER. In comparison, the stainless steel ball in the Generation II valve has a 35% lower operating torque than the previous stainless steel ball. In addition, the valve will stay in it's position with no drift at up to 40% higher flows!



Fusion CF Ball with HydroMax



Stainless Steel Ball with HydroMax

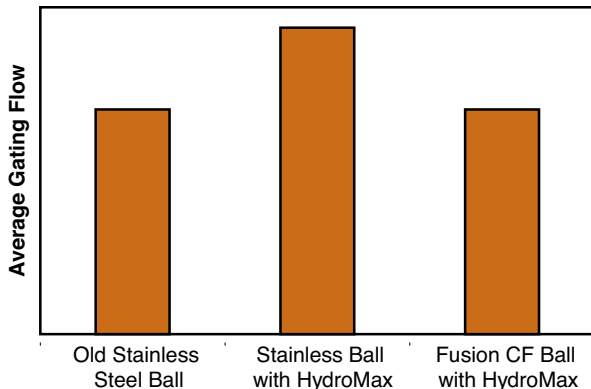
Introducing the new Fusion CF™ composite ball

The introduction of HydroMax™ technology has made it possible to offer an all new Swing-Out™ valve ball for use in heavy-duty applications. The Fusion CF composite ball is constructed of a proprietary material that offers the following:

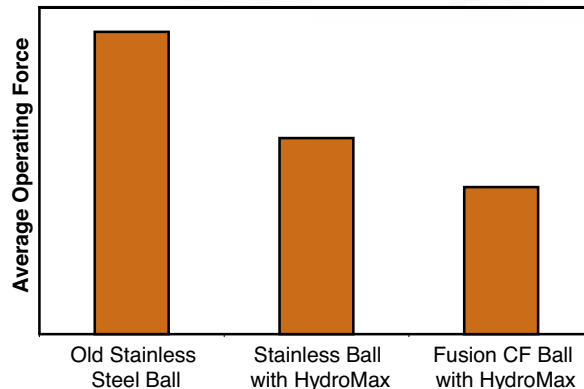
- Gating performance superior to competitors stainless steel balls
- Low operating torque (25% lower than stainless steel with HydroMax technology)
- Lightweight



Gating Flow Rate* Comparison



Operating Force Comparison



* Gating flow rate is the max flow at which the ball will hold it's position and not drift when partially closed.

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