



Material Upgrades

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CS

Chrome Superstructure (Fire Valves)

Description: Adds chrome plating to the “upper” portion of the valve (mainly, the cap, spring chamber and adjusting mechanisms).

Features/Benefits: Increases visibility of the adjusting handle and surrounding hardware – the parts which typically are exposed when the valve is installed on a vehicle. Maintains a professional appearance.

Compatibility: Model 20WR, 20WR-PRV. Also Model 19WR (20WR with Trigger Type Adjusting Screw).



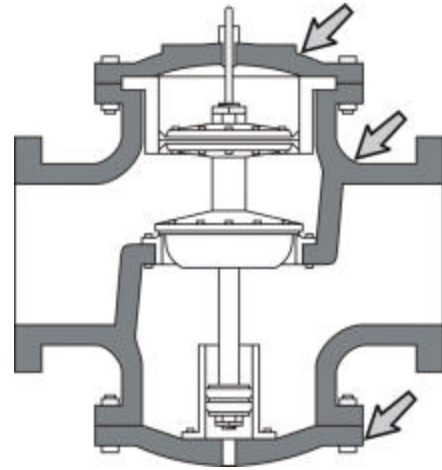
DI

Ductile Iron Body and Cap(s)

Description: Changes the Cast Iron components to Ductile Iron.

Features/Benefits: For extremely high pressure requirements, provides added strength. We maintain our standard ANSI Class 250 rated wall thickness (as used on all our valve bodies), and do NOT reduce the wall thickness as is common with our competitors.

Compatibility: Can be applied to nearly any Ross Valve.



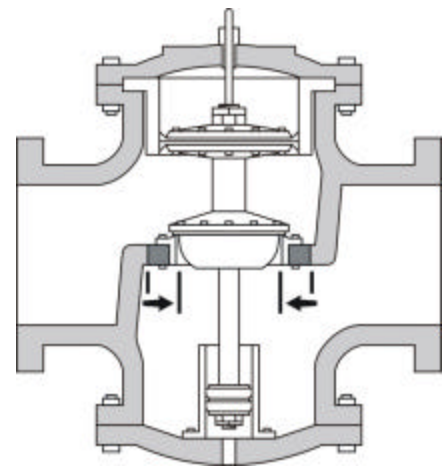
RPB

Reduced Ported Valve Body

Description: Provides a valve where the port or seat area is smaller than the actual valve size. Generally this is made by utilizing the smaller valve and increasing the size of the flanges .

Features/Benefits: Useful only when there is not sufficient space to install reducers in a line, and a full size valve would be oversized (operating inefficiently).

Compatibility: Can be applied to nearly any Ross Valve.



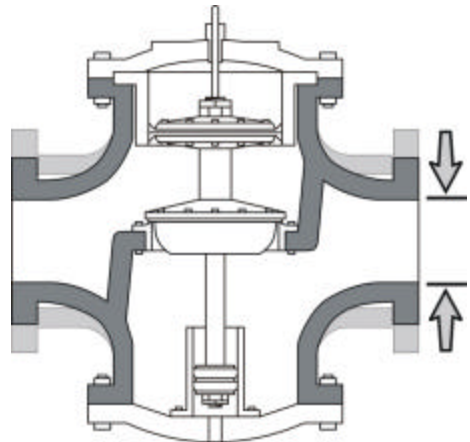
RSF

Reduced Size Flanges

Description: Reduces the size of the valve flanges, essentially creating an over-ported valve (valve with a over-sized port or seat area).

Features/Benefits: Useful when headloss through the valve must be kept to a minimum, but space does not allow for a larger valve size..

Compatibility: Can be applied to nearly any Ross Valve, especially Model 42WR-S and 45WR Pump Control Valves.



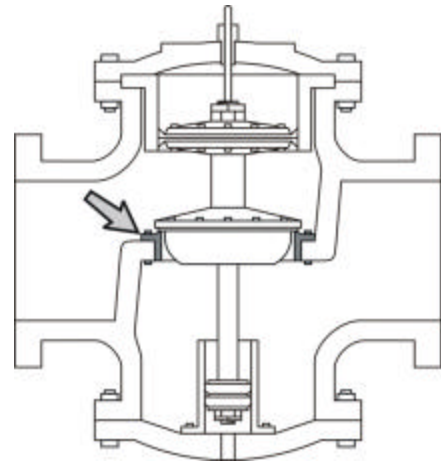
SS

Stainless Steel Trim (#22, #24)

Description: Stainless Steel seat ring #24 and fasteners #22.

Features/Benefits: Upgrades the replaceable seat ring and fasteners from standard bronze to stainless steel, providing increased resistance to wear and additional years of service.

Compatibility: Available for any Ross Valve for Treated Water larger than 4". Stainless Steel Trim is standard on valves 3" and smaller, and also on valves for Untreated Water.



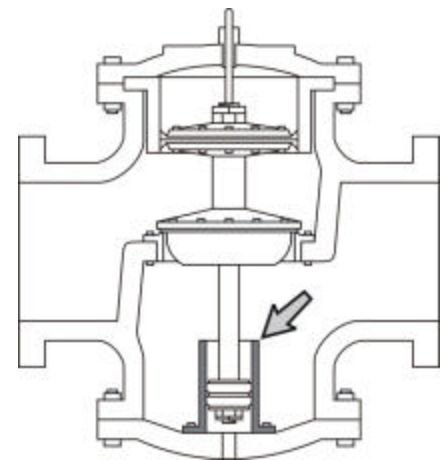
SS23

Stainless Steel Bottom Cylinder (#23)

Description: Stainless Steel Bottom Cylinder #23 (and fasteners, if applicable).

Features/Benefits: Upgrades the replaceable bottom cylinder (and fasteners, if applicable) from standard bronze to stainless steel, providing increased resistance to wear and additional years of service.

Compatibility: Available on any Ross Valve for Treated Water larger than 4".

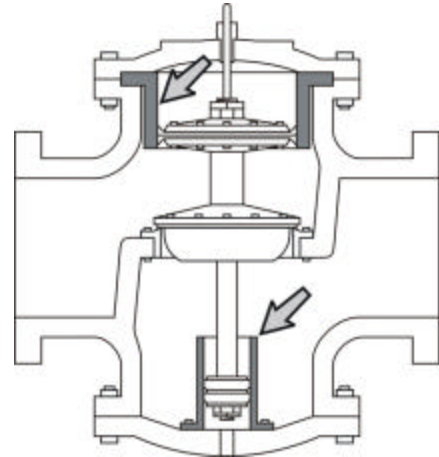


SSC Stainless Steel Cylinders (#14, #23)

Description: Stainless Steel Main Bushing #14 and Bottom Cylinder #23 (plus fasteners, if applicable).

Features/Benefits: Upgrades the replaceable main bushing and bottom cylinder (plus fasteners, if applicable) from standard bronze to stainless steel, providing increased resistance to wear and additional years of service.

Compatibility: Available on any Ross Valve for Treated Water larger than 4”.

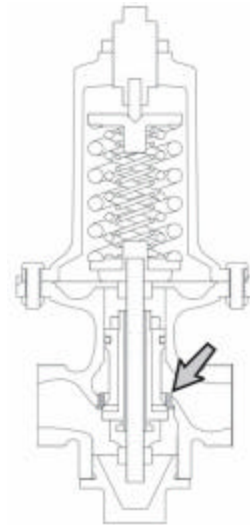


SSP Stainless Steel Pilot Seat

Description: Replaceable stainless steel seat insert added to pilot valve.

Features/Benefits: Upgrades the seating surface in a pilot valve from the standard bronze seat (which is machined directly into the valve body) to a replaceable stainless steel insert. The stainless steel insert provides increased resistance to wear at the highest wear point in the pilot, and can be re-machined at the factory or replaced, providing many additional years of service.

Compatibility: Available on any Ross Valve with hydraulic pilot valve.

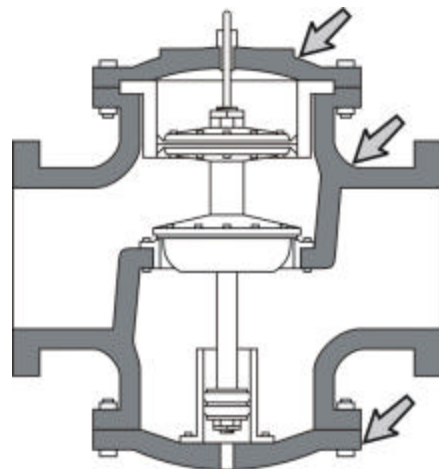


STL Steel Body and Cap(s)

Description: Changes the Cast Iron components to Steel.

Features/Benefits: Increases the pressure rating of the valve. We maintain our standard ANSI Class 250 rated wall thickness (as used on all our valve bodies), for truly exceptional strength.

Compatibility: Can be applied to nearly any Ross Valve.



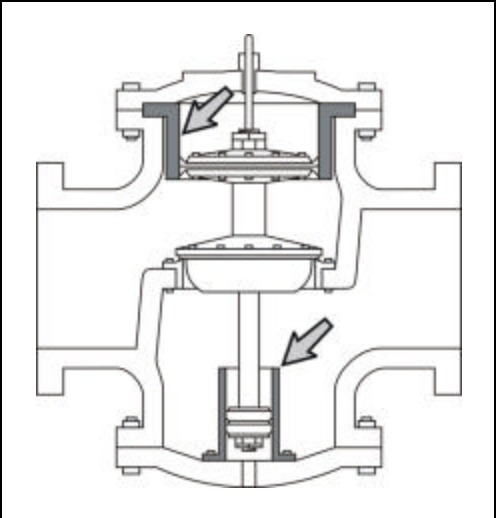
TEF

Teflon Coated Cylinders (#14, #23)

Description: Teflon-Coated Bronze Main Bushing #14 and Bottom Cylinder #23.

Features/Benefits: Adds a Teflon coating to the bronze main bushing and bottom cylinder, providing a low friction surface that helps prevent material build-up and scaling. Also useful in “low differential pressure” applications where the reduced friction helps the valve operate more accurately and efficiently.

Compatibility: Available on any Ross Valve for Treated Water larger than 4”.



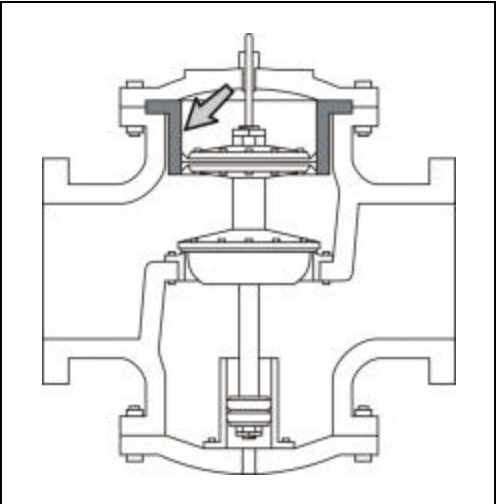
TEF14

Teflon Coated Main Bushing (#14)

Description: Teflon-Coated Bronze Main Bushing #14.

Features/Benefits: Adds a Teflon coating to the bronze main bushing, providing a low friction surface that helps prevent material build-up and scaling. Also useful in “low differential pressure” applications where the reduced friction helps the valve operate more accurately and efficiently. Typically combined with feature SS23 (Stainless Steel Bottom Cylinder #23).

Compatibility: Available on any Ross Valve for Treated Water larger than 4”.



TEF23

Teflon Coated Bottom Cylinder (#23)

Description: Teflon-Coated Bronze Bottom Cylinder #23.

Features/Benefits: Adds a Teflon coating to the bronze bottom cylinder, providing a low friction surface that helps prevent material build-up and scaling. Typically selected as part of feature TEF, which also includes the Teflon-Coated main bushing #14.

Compatibility: Available on any Ross Valve for Treated Water larger than 4”.

