



Pressure-Seal Valves

NEWCO gate, globe, and check valves



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Pressure-seal NEWCO* gate, globe, and check valves are ideal for standard and critical power industry applications. The pressure-seal bonnet joint eliminates the body-bonnet flanges, reducing weight and simplifying the application of exterior insulation.

In contrast with bolted-bonnet valves, internal pressure applied to a pressure-seal valve forces the sealing elements into tighter contact—the higher the internal pressure, the tighter the seal.

Advantages

- Raised-face, ring-type-joint, and butt-weld ends
- Design that conforms to ASME Spec B16.34 and MSS SP-144
- Installation dimensions that conform to ANSI Spec B16.10
- Availability in all material grades



Gate valves

- 2 to 24 in [50 to 600 mm]
- Classes 600 to 2500

Cast steel pressure-seal gate valves are ideal for bidirectional flow and tight shutoff. Because of the flow characteristics of the wedge-to-seat design, gate valves should be operated in the full-open or full-closed position. Gate valves are used in applications requiring minimum pressure drop.



Globe valves

- 2 to 24 in [50 to 600 mm]
- Classes 600 to 2500

Cast steel pressure-seal globe valves are ideal for unidirectional, controlled flow. The flow characteristics of a globe valve are repeatable, consistent, and easy to control at various open positions, which makes them ideal for general flow regulation.



Y-pattern globe valves

- 2 to 24 in [50 to 600 mm]
- Classes 600 to 2500

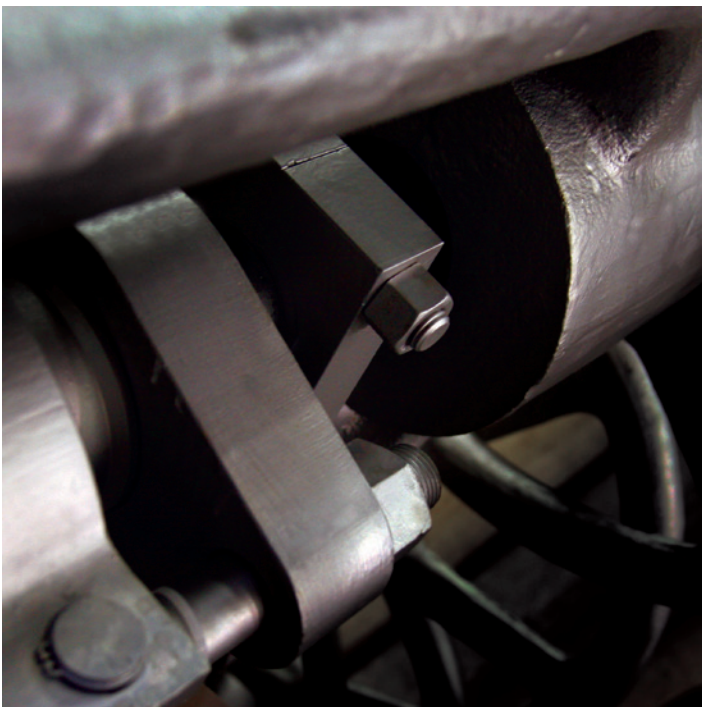
Cast steel pressure-seal Y-pattern globe valves offer the same flow capabilities as standard globes while minimizing turbulence and pressure drops.



Tilting-disc check valves

- 2 to 14 in [50 to 350 mm]
- Classes 600 to 2500

Cast steel pressure-seal tilt disc check valves minimize restriction in low-velocity environments and are ideal for preventing backflow in unidirectional horizontal flow applications. The tilting disc design reduces slamming when closing.



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