

NEWCO Pressure Seal Valves

TECHNOLOGY



Pressure Seals

NEWCO® pressure seal 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 to 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.



Gates

Sizes: 2" to 24" (50 mm to 600 mm)
Class: 600 to 2500
Design: ASME B16.34
Ends: RF, RTJ, BW
Materials: All Grades

NEWCO cast steel pressure seal gate valves are ideal for bi-directional flow and tight shutoff. Due to 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 utilized in applications where minimum pressure drop is desired.

Globes

Sizes: 2" to 24" (50 mm to 600 mm)
Class: 600 to 2500
Design: ASME B16.34
Ends: RF, RTJ, BW
Materials: All Grades

NEWCO 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 the design ideal for general flow regulation.





Y-Pattern Globes

Sizes: 2" to 24" (50 mm to 600 mm)

Class: 600 to 2500

Design: ASME B16.34

Ends: RF, RTJ, BW

Materials: All Grades

NEWCO cast steel pressure seal Y-pattern globe valves offer the same flow capabilities as standard globes. The smooth Y-pattern allows for less turbulence and lower pressure drops.

Tilt Disc Checks

Sizes: 2" to 14" (50 mm to 350 mm)

Class: 600 to 2500

Design: ASME B16.34

Ends: RF, RTJ, BW

Materials: All Grades

NEWCO cast steel pressure seal tilt disc check valves result in minimal restriction in low-velocity environments and are ideal for preventing backflow in unidirectional flow applications in horizontal flow. The tilting disc design offers closing that reduces slamming.



NEWCO pressure seal valves comply with the design and test requirements of ASME B16.34, MSS SP-144 and the installation dimensions of ANSI B16.10.