



## CAST STEEL GATE, GLOBE AND CHECK VALVES

NEWCO® cast steel gate, globe and check valves exceed all industry design requirements. These valves range from 2" to 54" (50 mm to 1350 mm) in pressure classes 150 to 1500.



### GATES

NEWCO cast steel 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. Concentrated flow across the seats of a partially opened gate valve risks possible seat damage, therefore throttling is not recommended. Gate valves are utilized in applications where minimum pressure drop is desired.

**Sizes:** 2" to 54" (50 mm to 1350 mm)

**Classes:** 150 to 1500

**Design:** API 600

**Ends:** RF, RTJ, BW

**Style:** Flex Wedge

**Materials:** WCB, LCC, Alloy Grades



### GLOBES

NEWCO cast steel 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.

In addition, we supply angle globe valves 150# & 300#. Also available in the stop check design

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

**Classes:** 150 to 1500

**Design:** API 623

**Ends:** RF, RTJ, BW

**Style:** Plug Type Disc

**Materials:** WCB, LCC, Alloy Grades



### CHECKS

NEWCO cast steel check valves yield minimal restriction to low-velocity environments and are ideal for preventing backflow in unidirectional flow applications in horizontal or upward (vertical) flow. The tilting disc design offers closing that reduces the possibility of slamming.

**Sizes:** 2" to 36" (50 mm to 900 mm)

**Classes:** 150 to 1500

**Design:** API 594

**Ends:** RF, RTJ, BW

**Style:** Swing and Tilting Disc

**Materials:** WCB, LCC, Alloy Grade

## FORGED STEEL GATE, GLOBE AND CHECK VALVES

NEWCO forged steel valves are ideal for standard and critical industry applications. While Newco forged steel is produced in bolted and welded bonnets, the welded bonnet joint eliminates the body/bonnet flanges, reducing weight and simplifying the application of exterior insulation. The welded bonnet ensures containment of the high-pressure applications experienced within the industry. This, in concert with the forged steel body, provides the highest integrity sealing available.



### GATES

NEWCO forged steel bolted and welded bonnet 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.

**Sizes:** 1/4" to 2" (5 mm to 50 mm)  
**Classes:** 150 to 4500  
**Design:** API 602

**Ends:** FLGD, THRD, SW, BW  
**Materials:** A105, LF2, Alloy Grades



### GLOBES

NEWCO forged steel bolted and welded bonnet 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.

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

**Sizes:** 1/4" to 2" (5 mm to 50 mm)  
**Classes:** 150 to 4500  
**Design:** API 602

**Ends:** FLGD, THRD, SW, BW  
**Style:** T-Pattern and Y-Pattern  
**Materials:** A105, LF2, Alloy Grades



### CHECKS

NEWCO forged steel bolted and welded bonnet check valves yield minimal restrictions to low-velocity environments and are ideal for preventing backflow in unidirectional flow applications in horizontal or upward (vertical) flow. Piston check valves with a spring allow for both horizontal and vertical installation.

**Sizes:** 1/4" to 2" (5 mm to 50 mm)  
**Classes:** 150 to 4500  
**Design:** API 602

**Ends:** FLGD, THRD, SW, BW  
**Style:** Swing and Piston  
**Materials:** A105, LF2, Alloy Grades

## PRESSURE-SEAL VALVES

Pressure-seal 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.

## GATES, GLOBES, TILT DISC AND SWING CHECKS

### 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

### Sizes:

- Gate: 2" to 24" (50 mm to 600 mm)
- Globe: 2" to 24" (50 mm to 600 mm)
- SW and Tilt Checks: 2" to 14" (50 mm to 350 mm)

**Classes:** 600 to 2500



**832-944-5930**  
24 HOUR Customer Service

All Modifications are Non-Cancellable & Non Returnable  
All prices quoted are in USD

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