CAMERON

NEWCO Valves

Complete line of cast, forged and stainless steel gate, globe and check valves in a full range of sizes and classes

TECHNOLOGY

CAMERON

Cast Steel Gate, Globe and Check Valves

Cameron's 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

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

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.

Globes

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

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.

Checks

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

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.

Forged Steel

Cameron's NEWCO forged steel valves are ideal for standard and critical industry applications. 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

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

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.

Globes

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

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.

Checks

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

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 and ball check valves with a spring allow for both horizontal and vertical installation.

Pressure Seals

Cameron's 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. Contrary 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.

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.

Gates

Sizes: 2" to 24" (50 mm to 600 mm)
Classes: 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)
Classes: 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)
Classes: 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 and Swing Checks

Sizes: 2" to 14" (50 mm to 350 mm)
Classes: 600 to 2500
Design: ASME B16.34
Ends: RF, RTJ, BW
Materials: All Grades

NEWCO cast steel pressure seal tilt disc and swing check valves yield minimal restriction to 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.

Gates

Sizes: 1/4" to 24" (5 mm to 600 mm)
Classes: 150 to 1500
Design: ASME B16.34, API 603, API 602
Ends: RF, RTJ, THRD, SW, BW
Materials: 304/L, 316/L, 317/L, 321, 347/H, A20
Features: Stainless steel body and bonnet, rising stem, OS&Y, graphite or TFE seals, integral seat rings, stem backseat design

Also available in cryogenic designs.

Globes

Sizes: 1/4" to 12" (5 mm to 300 mm)
Classes: 150 through 1500
Design: ASME B16.34, API 603 (as applicable), API 602
Ends: RF, RTJ, THRD, SW, BW
Materials: 304/L, 316/L, 317/L, 321, 347/H, A20
Features: OS&Y, bolted bonnet, plug type disc, graphite or TFE seals, rising stem, integral seat, stainless steel bolting

Also available in cryogenic designs.

Checks

Sizes: 1/2" to 12" (15 mm to 300 mm)
Classes: 150 to 1500
Design: ASME B16.34, API 603 (as applicable), API 602
Ends: RF, RTJ, THRD, SW, BW
Materials: 304/L, 316/L, 317/L, 321, 347/H, A20
Features: Swing type, graphite or TFE seals, bolted cover, integral seat, stainless steel bolting

Piston and ball check valves also available in 2" and smaller configurations.

Stainless Steel

Cameron's NEWCO OIC® brand offers a complete line of gate, globe and check valves in sizes 1/4" to 24" (5 mm to 600 mm), ASME Classes 150 to 1500, in various grades of stainless steel. The OIC line of stainless steel valves is constructed to meet and exceed industry standards.

CAMERON

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HSE Policy Statement
At Cameron, we are committed ethically, financially and personally to a working environment where no one gets hurt and nothing gets harmed.