

NEWCO® Valves

www.NewmansValve.com

Product Line Brochure



Newco®

Cast Steel Gate, Globe, & Check Valves

NEWCO Cast Steel Gate, Globe and Check Valves exceed all industry performance requirements. Ranging from 1/2" thru 60" in pressure classes 150 thru 2500.



Gates

Sizes: 2" thru 60"
Class: 150 thru 2500
Design: API 600
Ends: RF, RTJ, BW
Style: Flex Wedge, Parallel Slide
Materials: WCB, LCC, Alloy Grades

NEWCO Cast Steel Gate valves are ideal for bidirectional, low-friction flow and tight shut-off. Due to the flow characteristics of the wedge-to-seat design, Gate valves should be operated in the full-open or full-close 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 necessary.

Globes

Sizes: 2" thru 24"
Class: 150 thru 2500
Design: API 600
Ends: RF, RTJ, BW
Style: Precision Guide
Materials: WCB, LCC, Alloy Grades

NEWCO Cast Steel Globe valves are ideal for unidirectional, controlled flow. The flow characteristics of a Globe valve is repeatable, consistent, and easy to control at any open position, which makes the design ideal for regulating flow.



Checks

Sizes: 2" thru 36"
Class: 150 thru 2500
Design: API 600
Ends: RF, RTJ, BW
Style: Swing & Tilting Disc
Materials: WCB, LCC, Alloy Grades

NEWCO Cast Steel Check valves yield minimal restriction to low velocity environments and are ideal for preventing pipeline back flow in unidirectional flow applications in horizontal or upward (vertical) flow. The tilted disc design offers quicker closing minimizing the possibility of slamming.



Gates

Sizes: 1/2" thru 2"

Class: 150 - 4500

Design: API 602

Ends: FLGD, THRD, SW

Materials: A105, LF2, Alloy Grades

NEWCO Forged Steel Bolted and Welded Bonnet Gate valves are ideal for bidirectional, low-friction flow and tight shut-off. Due to the flow characteristics of the wedge-to-seat design, Gate valves should be operated in the full-open or full-close 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 necessary.



Globes

Sizes: 1/2" thru 2"

Class: 800 thru 4500

Design: API 602

Ends: FLGD, THRD, SW

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 is repeatable, consistent, and easy to control at any open position, which makes the design ideal for regulating flow.

The Y-pattern Globe valves offer the same flow controlling capabilities as standard globes. The smooth Y-pattern allows for less turbulence, and consequently less damaging flow and lower pressure drops.



Checks

Sizes: 1/2" thru 2"

Class: 800 thru 4500

Design: API 602

Ends: FLGD, THRD, SW

Materials: A105, LF2, Alloy Grades

NEWCO Forged Steel Bolted and Welded Bonnet Check valves yield minimal restriction to low velocity environments and are ideal for preventing pipeline back flow in unidirectional flow applications in horizontal or upward (vertical) flow.



newco®

Forged Steel

The NEWCO Forged Steel Valves are ideal for standard and critical Power 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 Power industry. This, in concert with the forged steel body, provides the highest integrity sealing available.





Pressure Seals

The 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 ANSI B16.34 and the installation dimensions of ANSI B16.10.



Gates

Sizes: 2" thru 36"
Class: 600 thru 4500
Design: ANSI B16.34
Ends: RF, RTJ, BW
Materials: All grades

NEWCO Cast Steel Pressure Seal Gate valves are ideal for bidirectional, low-friction flow and tight shut-off. Due to the flow characteristics of the wedge-to-seat design, Gate valves should be operated in the full-open or full-close 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 necessary.

Globes

Sizes: 2" thru 36"
Class: 600 thru 4500
Design: ANSI 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 is repeatable, consistent, and easy to control at any open position, which makes the design ideal for regulating flow.



Y-Pattern Globes

Sizes: 2" thru 36"
Class: 600 thru 4500
Design: ANSI B16.34
Ends: RF, RTJ, BW
Materials: All grades

NEWCO Cast Steel Pressure Seal Y-pattern Globe valves offer the same flow controlling capabilities as standard globes. The smooth Y-pattern allows for less turbulence, and consequently less damaging flow and lower pressure drops.

Tilt Disc Checks

Sizes: 2" thru 36"
Class: 600 thru 4500
Design: ANSI B16.34
Ends: RF, RTJ, BW
Materials: All grades

NEWCO Cast Steel Pressure Seal Tilt Disc Check valves yield minimal restriction to low velocity environments and are ideal for preventing pipeline back flow in unidirectional flow applications in horizontal flow. The tilted disc design offers quicker closing minimizing slamming.





Gates

Sizes: 1/4" thru 24"

Class: 150 thru 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 & Bonnet, Rising Stem, Outside Screw & Yoke, 1" to 2-1/2" Solid Wedge, 3" & up Flexible Wedge, Graphite or TFE Seals. Integral Seat Rings, Stem Backseat Design

Also available in Cryogenic designs!

Globes

Sizes: 1/4" thru 12"

Class: 150 thru 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: 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" thru 12"

Class: 150 thru 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: Swing Type, Graphite or TFE Seals, Bolted Cover, Integral Seat, Stainless Steel Bolting

Also available in Cryogenic designs!

Newco® **OIC**®

Stainless Steel

NEWCO offers a complete line of Gate, Globe, and Check valves in sizes 1/4" thru 24", ANSI Class 150 thru 4500, in all grades of stainless steel. OIC Stainless Steel valves are constructed in accordance with the specifications of American Standards Organizations with the primary objective of guaranteeing uniformity in production. These standards are those universally used in the Oil, Petrochemical and Chemical industries. Due to their comprehensive nature, they give a clear definition of the product. Standardized production in accordance with these specifications embrace the standards and codes for recommended materials, dimensional requirements, and temperature pressure ratings.





Specifications

Meets/exceeds CSA requirements. Fire Safe Design

BASIC DESIGN ASME B16.34/API 608

Flange Surface Finish 125-250 AARH Serrated

Face-to-Face Dimension ASME B16.10/API 608

Flanged End Dimension ASME B16.5

Inspected & Tested to API 598 & 607

Certifications ISO 9001/Canadian CRN

Pattern Descriptions

CLASS & PORT	B16.34/API 608 Long Pattern	B16.34/API 608 Short Pattern
150# Full	✓	
300# Full	✓	
600# Full	✓	
150# Red.		✓
300# Red.		✓
600# Red.	✓	

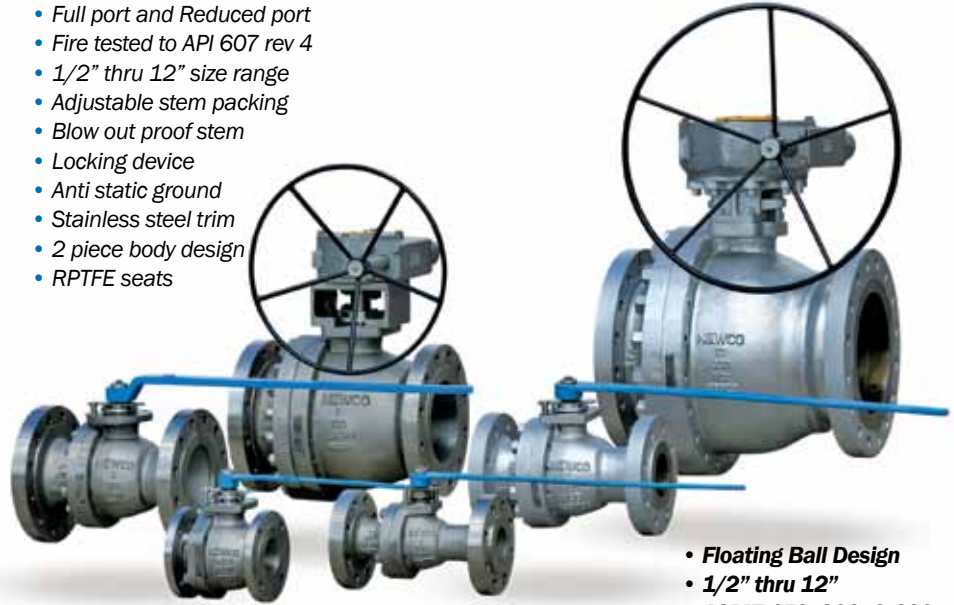


Floating Balls

by **Newco**

Benefits at a Glance

- ANSI classes 150, 300, and 600
- Standard NACE MR-01-03 compliant
- WCB, LCC, and CF8M body material
- ISO actuator mounting pad
- Full port and Reduced port
- Fire tested to API 607 rev 4
- 1/2" thru 12" size range
- Adjustable stem packing
- Blow out proof stem
- Locking device
- Anti static ground
- Stainless steel trim
- 2 piece body design
- RPTFE seats



- Floating Ball Design
- 1/2" thru 12"
- ASME 150, 300, & 600

Newmans' GreenSeal Low Emissions Packing Technology

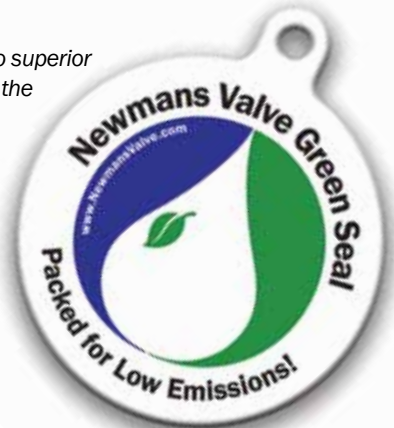


Newco valves are designed and manufactured to meet the current editions of industry standards and have been production tested to written procedures that include the requirements of API 598, ASME/ANSI B16.34, and MSS-SP-61. Newmans offers the GreenSeal Packing System for severe service applications to guarantee your valve is packed for low fugitive emissions!

Testing shows that cast steel gate valves with standard body/bonnet joint, using a spiral wound metal with graphite gasket, revealed no leakage into the atmosphere. The addition of our GreenSeal packing system completes our leak-proof package.

Newco valves of current design, properly installed and adjusted, will provide real fugitive emission seal at both the body/bonnet and stem packing. Routine stem seal maintenance will maintain performance for many cycles. This results in a reduction in the cost of ownership.

Newmans Valve is serious about its commitment to superior products and service. We are just as committed to the world we all live in. Our GreenSeal technology is good for the environment and good for business.



Product Range

Product range includes but is not limited to the following. Product range is subject to change without notice.

Brand	Type	Size	Class	Ends	Available Material**
Newco	Cast Carbon	* 2" to 48"	150 - 2500	RF, RTJ, BW	WCB, LCC
Newco	Cast Alloy	2" to 24"	150 - 2500	RF, RTJ, BW	C5, WC6, WC9, C12, C12A
Newco	Forged Carbon	1/4" to 3"	150 - 4500	FLGD, THRD, SW	A105N, LF2
Newco	Forged Alloy	1/4" to 2"	150 - 4500	FLGD, THRD, SW	F5, F9, F11, F22, F91, F51
Newco	Pressure Seal	2" to 24"	600 - 4500	RF, RTJ, BW	Cast - all grades
Newco	Floating Ball	1/2" to 18"	150 - 600	RF	WCB, LCC, CF8M
OIC	Cast Stainless	1/2" to 24"	150 - 2500	RF, RTJ, BW	304/L, 316/L, 317/L, 321, 347/H, A20, Monel, Inconel, Hastelloy, Duplex
OIC	Forged Stainless	1/4" to 2"	150 - 4500	FLGD, THRD, SW	304/L, 316/L, 317/L, 321, 347, A20, Monel, Inconel, Hastelloy, Duplex

*Larger sizes available upon request.