



JORDAN VALVE



Condensed Catalog

Pressure Regulators, Back Pressure Regulators, Control Valves, Sanitary Valves

Controlling Your Process . . .

Jordan Valve is a leading manufacturer of high quality products for the U.S. and international markets. Founded in the late 1940's with just one product — a small mixing valve — the company has evolved into a complete line of pressure and temperature regulators, pneumatic and electric control valves, sanitary valves and accessories. Jordan Valve customers include leading companies in the chemical, petrochemical, pharmaceutical, and food processing industries. Other sectors include paper products, tire and rubber, machinery and electrical equipment, transportation equipment and energy industries.

Sliding Gate

The cornerstone of the Jordan Valve product line is the sliding gate seat. Jordan is the originator of the sliding gate design which was first developed in 1947 by William Jordan and subsequently patented. The sliding gate is a unique and superior seat design that provides many advantages over traditionally-designed pressure and temperature regulators and control valves.



Quality Control

The concept of quality plays a key role in the development process of all Jordan valves. We know that continuous high quality products are vitally important to your production process which is one reason we initiated ISO 9000 certification in 1992.

We are committed to total quality at all stages. All valves undergo 100% testing and final inspection before being sent to our customers.

36 Hour Program

We know that our customers want high quality products with short lead times. Our 36-Hour Program means you won't have to wait on us. Most standard Jordan products ship within 36 hours after the order is placed. Even non-standard products ship faster than the industry average.

Performance

Our expertise in valve design means that we can supply both standard valves and complex, custom-designed valve packages for applications with special requirements. This includes supplying exotic materials such as Hastelloy®, Monel®, Alloy 20, Titanium and Zirconium, as well as the availability of products to meet the requirements of ANSI B31.1, ANSI B31.2, and NACE MR-01-75.

Dedication

Jordan Valve is dedicated to providing comprehensive products and service to meet every customer need. Each year, the Jordan line continues to expand – with new products, new designs, and advanced materials options – to better serve our customers. Whether modifying, upgrading, or developing new products, Jordan Valve continues to remain in the forefront of the valve industry.



Jordan Valve is headquartered in Cincinnati, Ohio

Mark 60



Standard Service Pressure Regulator

Handles the broadest range of applications including steam, water, oil, gas, air, and chemicals.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 4" (DN15 through DN100)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 200 (.007 to 173)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel, Gylon®, Buna-N, Viton®
Setpoints	1 to 450 psi (0,07 to 31,02 bar)

Mark 601/602



High-Flow Pressure Regulator

The high-flow MK601 and super high-flow MK602 are used for applications that require a higher Cv rating without using a larger valve.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1-1/2" through 2" (DN40 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	25 to 70 (21,5 to 60)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel, Buna-N, Viton®
Setpoints	25 to 160 psi (1,72 to 11,03 bar)

Mark 63

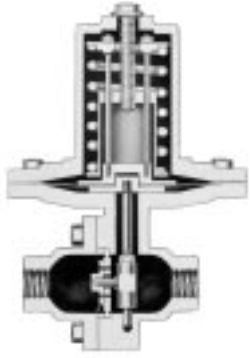


Differential Pressure Regulator

Maintains a constant differential between the outlet pressure and the dome loading pressure.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 30 (.0007 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel, Buna-N, Viton®
Setpoints	1 to 450 psi (0,07 to 31,02 bar)

Mark 65



Vacuum Breaker

The MK65 will allow air to enter a closed system to relieve vacuums which would inhibit flow or drainage and decrease system performance and efficiency.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 30 (.0007 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel, Buna-N, Viton®
Setpoints	1" to 25" Hg vacuum (.035 to .886 kg/cm ²)

Mark 66



Air Loaded Pressure Regulator

Provides accurate regulation from a remote location. The set point is controlled by adjusting the air pressure that is supplied to the top of the diaphragm.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/4" through 6" (DN8 through DN150)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 395 (.0007 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel, Gylon®, Buna-N, Viton®
Setpoints	1 to 650 psi (0,07 to 44,83 bar)

Mark 68



Cage Guided Pressure Regulator

A cage trim pressure regulator that offers high capacity, accurate regulation, easy servicing, and the availability of soft seats for ANSI Class VI shutoff.

Seat Type	Cage Guided — ANSI Class IV or VI
Line Sizes	1/4" through 2" (DN8 through DN50)
Body Materials	Ductile Iron, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.21 to 19 (.182 to 16,43)
Trim Materials	Stainless Steel
Diaphragm	Stainless Steel, Buna-N, Viton®
Setpoints	2 to 200 psi (.138 to 13,79 bar)

Mark 608



Tank Blanketing Regulator

A self-contained low pressure gas regulator for use on tank blanketing and other low pressure air and gas applications.

Seat Type	ANSI Class VI Shutoff
Line Sizes	3/4" through 1-1/4" (DN20 through DN32)
Body Materials	Ductile Iron, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Orifice Size	1/8" to 9/16" (3,18 mm to 14,29 mm)
Trim Materials	Stainless Steel or Brass, Buna-N or Viton®
Diaphragm	Stainless Steel, Buna-N, Viton®
Setpoints	1" WC to 3.5 psi (to ,241 bar)

Mark 67



Piloted Pressure Regulator

Ideal for applications that require greater accuracy and higher rangeability than standard non-piloted pressure regulators.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 6" (DN15 through DN150)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.21 to 395 (.18 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel
Setpoints	10 to 200 psi (0,69 to 13,79 bar)

Mark 130



Constant Flow Regulator

Maintains a constant flow rate independent of upstream or downstream pressure variations.

Line Sizes	1/4" through 2" (DN8 through DN50)
Body Materials	Bronze, Stainless Steel, Delrin®
End Connections	FNPT
Trim Materials	Bronze, Stainless Steel, Delrin®
Diaphragm	Viton®, EPDM
Setpoints	0.1 to 90 gpm (0,4 to 340 lpm)
Accuracy	Within 2%

Mark 50



Standard Service Back Pressure Regulator

Handles the broadest range of applications including steam, water, oil, gas, air and chemicals.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 4" (DN15 through DN100)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 200 (.0007 to 173)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm Setpoints	Stainless Steel, Gylon®, Buna-N, Viton® 2 to 450 psi (0,138 to 31,02 bar)

Mark 501/502 Series



High-Flow Back Pressure Regulator

The high-flow MK501 and super high-flow MK502 are used for applications that require a higher Cv rating without going to the next highest line size.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1-1/2" through 2" (DN40 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	25 to 70 (21,5 to 60,2)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm Setpoints	Stainless Steel, Buna-N, Viton® 10 to 150 psi (.69 to 10,34 bar)

Mark 53



Back Pressure Differential Pressure Regulator

Maintains a constant differential between the inlet pressure and the dome loading pressure.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 200 (.0007 to 173)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm Setpoints	Stainless Steel, Buna-N, Viton® 1 to 450 psi (0,07 to 31,02 bar)

Mark 58



Globe Style Back Pressure Regulator

The MK58 is a back pressure regulator that has an inlet in the side and an outlet on the bottom. It can also operate in a through-flow configuration with the bottom port acting as a bypass.

Seat Type	Globe Style — ANSI Class IV or VI Shutoff
Line Sizes	1/4" through 2" (DN8 through DN50)
Body Materials	Ductile Iron, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	2.6 to 32 (2,2 to 27,9)
Trim Materials	Stainless Steel
Diaphragm	Stainless Steel, Buna-N, Viton®
Setpoints	1 to 275 psi (0,07 to 18,96 bar)

Mark 56



Air Loaded Back Pressure Regulator

Provides accurate back pressure regulation from a remote location. The set point is controlled by adjusting the air pressure that is supplied to the top of the diaphragm.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 6" (DN15 through DN150)
Body Materials	Ductile Iron, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.21 to 395 (0,18 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel
Setpoints	2 to 185 psi (0,138 to 12,76 bar)

Mark 57



Piloted Back Pressure Regulator

Ideal for applications that require greater accuracy and higher rangeability than standard non-piloted back pressure regulators.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 6" (DN15 through DN150)
Body Materials	Ductile Iron, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.21 to 395 (0,18 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Diaphragm	Stainless Steel
Setpoints	2 to 185 psi (0,138 to 12,76 bar)

Mark 80



Self-Operated Temperature Regulator

An all purpose temperature regulator for heating or cooling applications without the use of an external power source.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 30 (0,0007 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Thermal System	Seal-welded actuator (SWA) with capillary and bulb
Setpoints	-40°F to 450°F (-40°C to 232°C)

Mark 801/802



High-Flow Temperature Regulator

The MK801 high-flow and the super high-flow MK802 are used for applications that require a higher Cv rating without using a larger valve.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	6.1 to 70 (5,2 to 60,2)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Thermal System	Seal-welded actuator (SWA) with capillary and bulb
Setpoints	-35°F to 450°F (-37,2°C to 232°C)

Mark 85



"Controlled Failure" Temperature Regulator

A vacuum on one side of the diaphragm allows the seats to move to full open or full closed upon failure of the thermal system.

Seat Type	Sliding Gate — ANSI Class IV
Line Sizes	1/2" through 3/4" (DN15 through DN20)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 4.4 (,0007 to 3,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Thermal System	Seal-welded actuator (SWA) with capillary and bulb
Setpoints	40°F to 325°F (4,4°C to 162,8°C)

Mark 86



Ambient Temperature Regulator

The MK86 is used for control of steam tracing based on the ambient temperature outside of the valve.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 30 (.0007 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Thermal System	Seal-welded actuator (SWA) with external sensing bulb
Setpoints	-5°F to 210°F (-20,6°C to 98,9°C)

Mark 87



Piloted Temperature Regulator

The MK87 is ideal for applications that require greater accuracy and higher rangeability than non-piloted temperature regulators.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 6" (DN15 through DN150)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	2.5 to 395 (2,2 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Thermal System	Seal-welded actuator (SWA) with capillary and bulb
Setpoints	-40°F to 450°F (-40°C to 232,2°C)

Mark 89



3-Way Temperature Regulator

Ideal for temperature control of diverting applications (one inlet and two outlets) or mixing applications (two inlets and one outlet)

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	2.5 to 30 (2,2 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Thermal System	Seal-welded actuator (SWA) with capillary and bulb
Setpoints	-20°F to 450°F (-28,9°C to 232,2°C)

Mark 70



All Purpose Control Valve

Handles a broad range of control applications including steam, water, oil, gas, air and chemicals.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 30 (.0007 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 701/702



High Flow Pneumatic Control Valves

The high-flow MK701 and super high-flow MK702 are used in applications that require a higher Cv rating without using a larger valve.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	25-70 (21,5 to 60)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 76



On/Off Pneumatic Control Valve

A low profile, lightweight, quick acting control valve for on/off control of nearly any service.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 6" (DN15 through DN150)
Body Materials	Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 395 (.0007 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Control Ranges	On/off (with 20 psi (1,37 bar) for 2" and smaller, 50 psi (3,44 bar) for 2-1/2" and larger)

Mark 711



Large Line Size Utility Service Pneumatic Control Valve

Handles a broad range medium pressure applications including steam, water, air, oil, gas and chemicals in line sizes 2-1/2" through 6".

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	2-1/2" through 6" (DN65 through DN150)
Body Materials	Cast or Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	85 to 395 (73,1 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 74



Bellows Stem Seal Control Valve

Utilizes a bellows stem seal to control fugitive emissions and reduce the risks associated with toxic, corrosive, explosive, and high temperature fluids.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	1.8 to 30 (1,5 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 78



Globe-Style Pneumatic Control Valve

A general purpose control valve with a traditional globe-style design.

Seat Type	Globe — ANSI Class IV or VI
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	1.8 to 50 (1,5 to 43)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

V 1 C



High Pressure Cage Style Control Valve

Uses cage-guided trim for higher pressure applications with pressure drops as high as 1480 psig

Seat Type	Cage — ANSI Class III, IV or VI
Line Sizes	1-1/2" through 6" (DN40 through DN150)
Body Materials	Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT), Socket Weld or Flanged (ANSI, DIN)
Cv (Kv)	10 to 400 (8,6 to 344)
Trim Materials	Stainless Steel
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 33



Motor Operated Control Valve

Heavy-duty industrial motor valve typically used in applications that require continuous duty motors.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/4" through 2" (DN8 through DN50)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 30 (,0007 to 25,8)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Command Signals	Proportional (resistance), On/off or milliamp, 2-10 VDC

Mark 37



Motor Operated Control Valve

The MK37 is an electrically actuated control valve that provides tight control and superior accuracy, making it ideal for use as the final control element.

Seat Type	Sliding Gate — ANSI Class IV Shutoff
Line Sizes	1/2" through 6" (DN15 through DN150)
Body Materials	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded (FNPT, BSPP, BSPT) or Flanged (ANSI, DIN)
Cv (Kv)	.0008 to 395 (,0007 to 339,7)
Trim Materials	Stainless Steel, Monel®, Hastelloy® C, Alloy 20
Command Signals	Current or voltage command, on/off

Series 8000

**Barstock Body Control Valve**

A group of heavy-duty control valves specifically developed for process applications up to 6,000 psi (413 bar) requiring full flow or fractional flow control.

Seat Type	Globe Style — ANSI Class III, IV, or VI Shutoff
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	Consult factory for specific material availability
End Connections	Threaded (FNPT, BSPP, BSPT), Socket Weld or Flanged (ANSI, DIN)
Cv (Kv)	.05 to 17 (.04 to 14,6)
Trim Materials	Consult factory for specific material availability
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 708

**Fractional Flow Control Valve**

The MK708 is used for low flow and/or high pressure applications such as injection, metering, or research applications.

Seat Type	Globe/Needle — Class III, IV or VI
Line Sizes	1/4" through 3/4" (DN8 through DN20)
Body Materials	Carbon Steel, Stainless Steel, Hastelloy® (B & C), Others
End Connections	Threaded (FNPT, BSPP, BSPT), Socket Weld or Flanged (ANSI, DIN)
Cv (Kv)	.00001 to 4 (.000009 to 3,4)
Trim Materials	Stainless Steel, Hastelloy® (B & C), Others
Control Ranges	3-15 psi, 6-30 psi or split ranges (0,21-1,03 bar, 0,41-2,07 bar)

Mark 90



Cavity-Filled Three Piece Ball Valve

A full port ball valve with a sanitary finish and quick disconnect ends.

Seat Type	Cavity-filled ball
Line Sizes	1/2" through 4" (DN15 through DN100)
Body Materials	316 Stainless Steel
Cavity Fill	Teflon®
End Connections	Tri-clamp®, tube-end, ISO/DIN
Temperature Rating	up to 450°F (232°C)
Pressure Rating	1000 psi (70 bar)

Mark 92/93



Sanitary Steam Traps

For use in biotech, pharmaceutical, food and beverage, and specialty chemical steam systems

Trap Type	Thermostatic
Line Sizes	1/2" through 1" (DN15 through DN25)
Body Materials	316L Stainless Steel
End Connections	Tri-Clamp® and Tube Ends
O-Ring Material	TFE-Encapsulated Viton®, SFT Viton®
Max Pressure	145 psi (10 bar)

Mark 95



Sanitary Back Pressure Regulator

For use in biotech, pharmaceutical, food & beverage, and specialty chemical applications.

Seat Type	Globe — ANSI Class III or VI
Line Sizes	1/2" through 3" (DN15 through DN80)
Body Materials	316L Stainless Steel
End Connections	Tri-Clamp®, Tube End, ISO/DIN
Cv (Kv)	1.5 to 23 (1,3 to 19,8)
Trim Materials	316L Stainless Steel
Diaphragm	Stainless Steel, EPDM, Gylon®, TFE-Coated Viton®
Setpoints	2 to 135 psi (,14 to 9,3 bar)

Mark 96



Sanitary Back Pressure Regulator

For use in biotech, pharmaceutical, food & beverage, and specialty chemical applications.

Seat Type	Globe — ANSI Class III or VI
Line Sizes	1/2" through 3" (DN15 through DN80)
Body Materials	316L Stainless Steel
End Connections	Tri-Clamp®, Tube Ends, ISO/DIN
Cv (Kv)	1.5 to 23 (1,3 to 19,8)
Trim Materials	316L Stainless Steel
Diaphragm	Stainless Steel, EPDM, Gylon®, TFE-Coated Viton®
Setpoints	2 to 135 psi (,14 to 9,3 bar)

Mark 97



Sanitary Control Valve

Sanitary rising stem design for clean steam applications.

Seat Type	Globe — ANSI Class III
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	316L Stainless Steel
End Connections	Tri-Clamp®, Tube Ends, ISO/DIN
Cv (Kv)	.05 to 60 (,04 to 51,6)
Trim Materials	316L Stainless Steel

Mark 98



Diaphragm-Sealed Sanitary Control Valve

Use of a diaphragm seal prevents the possible introduction of contaminants by eliminating the need for a sliding stem seal.

Seat Type	Diaphragm — ANSI Class VI
Line Sizes	1/2" through 2" (DN15 through DN50)
Body Materials	316L Stainless Steel
End Connections	Tri-Clamp®, Tube Ends, ISO/DIN
Cv (Kv)	2.5 to 35 (2,2 to 30,1)
Diaphragm	Teflon®-Covered EPDM



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