



PRODUCT OVERVIEW

SANITARY & UTILITY REGULATORS,
CONTROL VALVES & ACCESSORIES





INTRODUCTION

Steriflow Valve is an industry leader and trusted name across the bio pharmaceutical and pharmaceutical markets. Steriflow has more than thirty years experience manufacturing sanitary pressure regulators, control valves, clean steam traps, CIP & SIP accessories.

Steriflow has brought this expertise to the food, beverage, dairy, health and beauty industries, launching

the Steriflow Food & Beverage product line. Steriflow knows how to help you meet the stringent standards required for food and beverage production.

Our product line includes both clean and utility products. Our clean side products include sanitary pressure regulators, steam traps, control valves, constant modulating valves, CPM valves, diaphragm valves, safety relief valves and many ancillary products. Our utility products include industrial valves such as pressure regulators, control valves, gas regulators, steam traps and ball valves.



FOOD

Food manufacturers can count on us to deliver exceptional product quality to meet their needs. Our experience in the bio-pharmaceutical and pharmaceutical markets means our products meet or exceed what's required to give you the utmost confidence when choosing Steriflow Food & Beverage. Our pressure regulators feature a proprietary diaphragm design that not only offers exceptional performance, it is guaranteed for life.



FERMENTATION & DISTILLERIES

For many breweries, valves are as important as hops, barley, sugar & yeast to create a quality product that meets sanitation standards. We provide unmatched performance while meeting all required standards for applications like fermentation. Our valves are 3A approved, meeting the sanitary standards for distilling & brewery industries.



HTST/UHT PASTEURIZATION

Food and beverage applications must meet a variety of process temperature and pressure control requirements, as in HTST/UHT processes, to maintain the tight temperatures that ensure product quality and safety. Count on our products to ensure tight temperature control to avoid issues that would otherwise occur, like bacteria growth or loss of product.



BEVERAGE

The beverage industry can count on Steriflow Food & Beverage to provide exceptional valves that meet all requirements and help manufacturers produce a consistently quality product. The majority of our valves are 3A approved, meeting the sanitary standards for beverages. All soft parts, including O-rings, seats and diaphragms, meet FDA approval standards.



DAIRY

Dairy producers are under constant scrutiny and pressure to deliver consistent quality products. They turn to Steriflow Food & Beverage to provide valves for their manufacturing facilities. We have complementary experience that helps us understand the demands of this industry.



PERSONAL CARE

Manufacturing of highly differentiated formulations for cosmetics and personal care products requires process expertise and a broad range of hygienic products. Contact the Food & Beverage team to learn how we can help you with your applications.



SANITARY VALVES

INTRODUCTION

Steriflow Food & Beverage provides reliable sanitary valves and other products that can be trusted by food, beverage, dairy, and health & beauty producers. We specialize in the needs of these industries, providing products used in various steam applications including plant steam, filtered steam, clean steam and pure steam. Products include back pressure regulators, pressure regulators, steam traps, check

valves, diaphragm valves, sanitary safety relief valves and other ancillary products. We comply with industry requirements and most products hold the 3A Sanitary Certification.

3-A Sanitary Standards Inc. is an independent, not-for-profit corporation, dedicated to advancing hygienic equipment designed for the food, beverage and pharmaceutical industries. They represent the interests of food processors, regulatory sanitarians, and equipment fabricators with a common commitment to promoting food safety and the public health. The 3A symbol is a registered mark used to identify equipment that meets 3-A Sanitary Standards for sanitary design and fabrication.

PRODUCTS

Products designed to exceed the demands of the food and beverage manufacturing industry, including sanitary pressure regulators, control valves, constant modulating valves, check valves, diaphragm valves and sanitary safety relief valves.



FBCPM SERIES

CONSTANT PRESSURE MODULATING VALVES FOR HYGIENIC PROCESS



- HTST/UHT process control
- 3A Approval 53-07
- Leak detection port
- Optional end connections
- Lifetime Jorlon™ diaphragm warranty
- Single diaphragm design
- Stem guiding above diaphragm
- Large diaphragm for optimal sensitivity to pressure changes
- Bolted bonnet
- Optional seat material for Class VI shutoff
- Maximum operating pressure of 200 psi
- Maximum temperature of 300°F
- Accessory I/P or self-relieving air regulator available for automated and/or remote set point control



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Watch Video

4" FBCV SERIES



SANITARY CONTROL VALVES

- Now available up to 4" (DN100)
- 3A Approval
- Self draining - angle body: when mounted in vertical (all sizes) or horizontal orientations
- Mechanically polished internal components - 32Ra finish
- Maintenance friendly
- Control's pressure, temperature, pH or another variable
- Control valve for liquid, gas or steam services
- Selection of o-ring materials to suit your processes
- Manual or automated options





SSRV SERIES

SSRV-81, 81V Series

- Small capacity
- For small skids, chromatography and piping



SSRV-83, 83X Series

- Medium capacity
- Larger skids, clean steam systems, small tanks



SSRV-88 Series

- Large capacity
- Large steam systems, large tanks

SANITARY SAFETY RELIEF VALVES

The SSRV Sanitary Safety Relief Valve is designed to relieve over-pressure upset in hygienic and aseptic process and clean steam utility systems. The SSRV is designed to be manually set to open at a predetermined pressure to protect pressure vessels and other equipment from being subjected to pressures that exceed their design limits.

- ASME SECTION VIII/XIII compliant valves designed and manufactured in the United States
- High cleanability: L/D < 1.5
- Optional manual or pneumatic lift device for Clean-in-Place
- Standard surface finish ASME BPE Sf1, 20 Ra μ in. ASME BPE SF5 and SF4 15 Ra μ i optional. Electropolished standard.
- FDA and USP Class VI seats, o-rings and bellows seal
- Bellows seal isolates process from valve internals when valve is open or closed on 83, 83X and 88 Series
- ASME SA479 316L, AL6XN, Hastelloy C-22 are available

Sizes	SSRV-81: 1/2" - 1"; SSRV-83: 1-1/2"; SSRV-88: 1-1/2" - 3" Consult factory for newly released sizes
End Connections	FNPT, ASME BPE Tr-Clamp
Max Pressure/ Temperature	SSRV-81: 550 psi (38 bar) @ 450°F (232°C); SSRV-83: 255 psi (18 bar) @ 450°F (232°C); SSRV-88: 255 psi (18 bar) @ 450°F (232°C)
Body & Wetted Trim Materials	ASME SA-479 316L (UNS 31603), AL6XN, Hastelloy C-22
Approvals	Consult factory for ASME stamp approval numbers, CE

FB5C SERIES

Back Pressure Valves

The FB5C Series is a sanitary back pressure regulator for upstream pressure control in hygienic applications. This regulator is ideal for purified water, clean utilities and media in the Food & Beverage and Consumer health and beauty industries. Suitable for a range of applications including CIP, SIP, centrifuges, autoclaves, culinary equipment, sterilizers and process tanks. Soft seats available - consult factory.

Sizes	1/2" - 3" (DN15 - DN80)
End Connections	Sanitary-clamp; tube weld ends (optional)
Cv (Kv)	1.5 to 28 (1,3 to 24)
Setpoint Range	3 psi (0,2 bar) to 135 psi (9,3 bar) dependent on size and construction
Approvals	3A 64-00
Seat Materials	Standard hard seat - integral 316L SST seat
Wetted Material & Surface Finish	32 Ra (standard) on wetted parts; exterior as cast
Diaphragm Material	EPDM/Nylon (FDA), Jorlon™ (FDA)



FB6C SERIES

Pressure Reducing Valves

The FB6C Series is a sanitary pressure regulator for downstream pressure control in hygienic applications. This regulator is ideal for purified water, clean utilities and media in the food & beverage and consumer health and beauty industries. Suitable for a range of applications including CIP, SIP, centrifuges, autoclaves, culinary equipment, sterilizers and process tanks.



Sizes	1/2" - 3" (DN15 - DN80)
End Connections	Sanitary-clamp; tube weld ends (optional)
Cv (Kv)	2.9 to 29.4 (2,5 to 25,4)
Setpoint Range	3 psi (0,2 bar) to 135 psi (9,3 bar) dependent on size and construction
Approvals	3A 64-00
Seat Materials	Standard hard seat - integral 316L SST seat
Wetted Material & Surface Finish	32 Ra (standard) on wetted parts; exterior as cast
Diaphragm Material	EPDM/Nylon (FDA), Jorlon™ (FDA)

FBCV SERIES

Control Valves

The FBCV Series is designed to meet the rigid specifications for sanitary process control valves. This valve series is suitable for a wide variety of applications in the cosmetic, dairy and food & beverage industries. Conforming to 3A guidelines, the FBCV is ideally suited for a wide range of flowing media in both the utility and process areas of sanitary systems.

Sizes	1/2" - 4" (DN15 - DN100)
End Connections	ASME, DIN and ISO Tri-Clamp, Extended Tube Weld
Max Pressure/ Temperature	450 psi (31 bar) at 100°F (38°C), dependent upon construction; 250 psi (17 bar) at 100°F (38°C) for 4"
Cv (Kv) & Flow Characteristic	0.2 to 100 (0,17 to 86), Linear, Equal Percentage or Quick Opening Trim Characteristics
Approvals	3A 53-07
Stem Seal O-Ring	Various - all certified to FDA



FBCPM SERIES

Constant Modulating Valves

The FB5CPM (inlet) and FB6CPM (outlet) are air loaded sanitary constant pressure modulating valves, designed to allow the user to change set-points remotely via a cabinet or panel mounted air regulator, or through a distributed control system or PLC, using an I-P transducer. The valve is preferred in HTST/UHT Pasteurization, after Heat Exchangers, and Bottling Lines.



Sizes	1/2" - 3" (DN15 - DN80)
End Connections	ASME Tri-Clamp, others consult factory
Max Pressure/ Temperature	1/2" - 1" (DN15-DN25): 350 psig @ 100°F & 250 psig @ 300°F (24 bar @ 38°C & 17 bar @ 149°C); 1-1/2" - 2" (DN40-DN50): 200 psig @ 100°F & 300°F (14 bar @ 38°C & 149°C)
Approvals	3A 53-07
Diaphragm Material	Jorlon™ (FDA, 3A approved)

SANITARY VALVES

SVC/SHC SERIES

Check Valves

The SVC/SHC Series is a sanitary check valve which is needed when it is necessary to prevent the product from flowing in the wrong direction. The valve is kept open by the process flow in the correct direction. If the flow stops, the plug is forced against its seat by the spring and closes against reversal of the flow. The valve is ideal for CIP/SIP, sanitary pump skids, batch processing, mixing and backflow prevention.

Sizes	SHC Series: 1/2" - 2" (DN15 - DN50) SVC Series: 1/2" - 4" (DN15 - DN100)
End Connections	Sanitary-clamp
Max Pressure/ Temperature	230 psi @ 100°F (16 bar @ 38°C) depending on material
Wetted Material & Surface Finish	ASTM SA479 316L (UNS 31603) 32 Ra on all wetted parts



SG SERIES

Sight Glasses

Inline tri-clamp, double window sight glass for media and purified water applications for the food & beverage and consumer health and beauty industries. Suitable for CIP and SIP, the SG Series has a large viewing area, full bore flow path, and a metal stop that provides ideal o-ring compression and prevents pipe torque from affecting glass.



Sizes	1/2" - 4" (DN15 - DN100)
End Connections	ASME BPE Tri-Clamp compatible
Max Pressure/ Temperature	145 psig (10 bar); max temperature varies with o-ring selection
Wetted Material & Surface Finish	ASMPE BPE SF1 20 Ra uin mechanical finish

SGW SERIES

Sight Glass Windows

Tri-clamp sight glass windows for media vessel and large line viewing applications in the, food & beverage and consumer health & beauty industries. Suitable for CIP and SIP; compact design, exceptional strength and hygienic design.



Sizes	1/2" - 6" (DN15 - DN150)
End Connections	ASME BPE Tri-clamp compatible; contact factory for other availability
Max Pressure/ Temperature	varies by size, see data sheet
Materials of Construction	Duplex stainless steel (UNS 31803/32205) Borosilicate glass Gasket and clamp supplied by user
Wetted Surface Finish	Wetted parts: ASME BPE SF5 20Ra electropolished, standard; other finishes upon request External: 20Ra electropolished standard

2-WAY DIAPHRAGM VALVES



Steriflow Food & beverage's cast body 2-way diaphragm valves offer an economical alternative to forged body valves when customer process requirements or specifications allow. Steriflow's manufacturing, assembling, documentation and valve traceability practices remain the same whether the valve is made from 316L cast or forged material.

Sizes	1-1/2" - 4" (DN40 - DN100)
End Connections	Tri-clamp, extended tube end
Wetted Material & Surface Finish	32Ra or 32Ra electropolished
Exterior	as cast/electropolish optional
Operation	Manual and automated versions available

SANITARY DIAPHRAGM VALVES

Manual or air actuated forged 2-way or cast 2-way, ported and tandem valves, barstock zero static T-block, point of use T-block, divert tank bottom and custom block body valves.

Consult factory for more information on available configurations and Quick Shipment Program.



SV SERIES

Sample Valves

The SV Series was designed for use in high purity steam and culinary steam and water systems. The SV Series utilizes a steam resilient Perlast seat seal to ensure optimum service life and bubble-tight shutoff. Because of these design characteristics, the SV is also used for any general sanitary sampling application where a manual valve is required.



Sizes	1/4" - 4" (DN15 - DN100)
End Connections	Sanitary-clamp
Max Pressure/ Temperature	1/2" - 2": 1000 psi (69 bar); 2-1/2" - 4": 800 psi (55 bar)
Wetted Material & Surface Finish	ASTM A351 CF3M 32 Ra on all wetted parts

DTCS SERIES

Disc Traps

The DTCS Series is a 316L polished, stainless steel thermodynamic disc trap that is compact with a lightweight design and tri-clamp end connections. Though non-sanitary in the traditional sense, the exterior is polished to 20 Ra and can be used in clean room environments on plant steam, or non-validated clean steam applications. It is ideal for fluctuating steam loads and pressures.

Sizes	1/2" & 3/4" (DN15 & DN20)
End Connection	Tri-clamp
Body Material	Casting, AISI 316L
Pressure Max Allowable	227 psig (15,6 barg)
Temperature Max Allowable	840°F (450°C)



BTCS SERIES

Clean Steam Traps

The BTCS Series is a two piece, tri-clamp body, balanced port, high flow thermostatic sanitary steam trap with vertical or horizontal inlet and/or outlet connections for pure steam SIP and loop drainage applications in hygienic food & beverage and consumer health and beauty industry applications.



Sizes	3/4", 1", 1-1/2" (DN20, DN25, DN40)
Installation Connection	Vertical, Horizontal
Connection Type	ASME, DIN, ISO Tri-Clamp, Tube Weld Ends
Max. Allowable Pressure/Temp	145 psig (10 barg); 350°F (177°C)
Max Operating Pressure	50 psi (3,4 bar)
Subcooling	Less than 3°F (2°C)

FD SERIES

Back Pressure Regulators

The FD Series valves are designed for use in sanitary industries such as food & beverage. The unique dome loaded multi-orifice design delivers instantaneous response, frictionless operation, and precision control across a very wide range of flow rates, 100 times industry norms. Its simple design has only one moving part making it easy to maintain and its compact simplifies process layout. The FD Series valves are dome loaded using a 1:1 setpoint pressure with inert gas or air controlled with a manual or electronic pressure regulator. The FD valve with an electronic pilot setpoint regulator is a perfect match for computer automated control in food & beverage processing.



EQUILIBAR
PRECISION FLUID CONTROL

Sizes	1/2" - 3"
End Connections	Sanitary-clamp
Max Pressure	150 psig (10 bar)
Body Materials	SS316L; Hastelloy C; custom
Cv Range	IE-7 to 36



UTILITY VALVES

INTRODUCTION

Whether they will be used in the clean or utility side of your operation, you need valves you can count on for years. In addition to our line of sanitary valves, Steriflow Food & Beverage offers high-quality valves for non-sanitary applications.

These valves meet the same manufacturing and reliability standards of our sanitary valves. Steriflow Food & Beverage offers a true one-stop solution for food and beverage production valve needs.

UTILITY VALVES

PRODUCTS

Our products include pressure regulators, back pressure regulators, gas & tank blanketing valves, control valves, wafer-style control valves, fractional flow control valves, ball valves and steam traps.



MK60 SERIES

Pressure Regulators

The Mark 60 Series handles a broad range of applications including steam, water, oil, gas, air and chemicals. It is a self-operating pressure regulator used to regulate the downstream pressure to a predetermined setpoint. The sliding gate seats offer excellent control and extreme longevity in a compact, lightweight design.

Sizes	1/4" - 4" (DN8 - DN100)
Cv (Kv)	up to 200 (up to 172)
Diaphragm	Jorlon™, Stainless Steel, Hastelloy C, Monel
Shutoff	ANSI Class IV shutoff
Body Material	Ductile Iron, Bronze, Carbon Steel, & Stainless Steel
End Connection	Threaded, Flanged, Socket Weld, Butt Weld



MK68G SERIES

Globe Style Regulating Valves

The Mark 68G Series offers high capacity, accurate regulation and easy servicing, making it the ideal choice for your industrial grade pressure reducing applications. The MK68G can be supplied with a hard seat for ANSI Class IV shutoff or a soft seat for ANSI Class VI shutoff. Easily removable bottom cap allows quick access for replacing seat and plug.



Sizes	1/4" - 2" (DN8 - DN50)
Body Material	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded, Flanged, Socket Weld
Diaphragm	Stainless Steel, Jorlon™, Buna-N/Nylon, Viton/Nomex
Seat	Plug: Buna-N, Vitron, Hardened 17-4 pH Stainless Steel, EPDM
Cv (Kv)	up to 19 (up to 16,3)

MK608 SERIES

Gas Pressure Regulators

The Mark 608 Series is used on large tank blanketing applications or other low pressure gas regulation. In a tank blanketing application, the Mark 608 is used to control the flow of the blanketing gas into the tank to maintain the proper positive pressure. Once the blanket has been established, a small flow of nitrogen is continually admitted to the tank to keep the blanket fresh.

Sizes	1-1/2" - 2" (DN40 - DN50)
Body Material	DBronze, Carbon Steel, Stainless Steel
End Connections	Threaded, Flanged
Diaphragm	Buna-N/Nylon, Viton/Nomex, EPDM with Polyester Reinforcement
Setpoint	2" w.c. to 5 psi (5,0 mbar to 0,45 bar)
Max Inlet Pressure	60 psi (4 bar)



MK695 SERIES

Piloted Regulators

The Mark 695 Series piloted soft seat regulator is designed specifically to provide accurate pressure control on very low pressure tank blanketing systems. The pilot operated Mark 695 responds to very small changes in tank pressure by throttling open or closed to maintain the desired pressure set point.



Sizes	3/5", 1" (DN20, DN25)
Body Material	Carbon Steel, Stainless Steel
End Connections	NPT, ANSI Flanges 150#, 300#
Diaphragm	Teflon Sheet
Cv	1, 2, 4, 7.5, 10
Max Inlet Pressure	200 psi (13,8 bar)

MK608IS SERIES

Gas Pressure Regulators

The Mark 608IS gas pressure regulator is the ideal valve for low pressure gas regulation. The self-contained low pressure gas regulator is for use on tank blanketing, gas meter inlet pressure regulating, gas burners and other low pressure air and gas applications. The valve can be installed in any position and can be easily repositioned in-line. Consult factory for larger line size offerings.

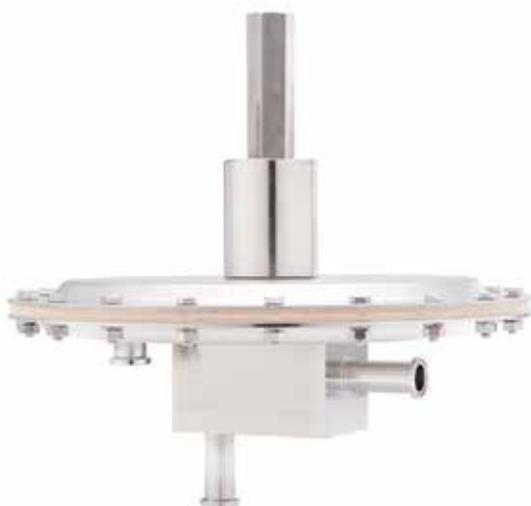
Sizes	3/4" - 1-1/4" (DN20 - Dn32)
Body Material	Carbon Steel, Stainless Steel
End Connection	Thread, Flanged
Diaphragm	Viton
Setpoint	1" w.c. to 3.5 psi (2,5 mbar to 1,24 bar)
Max Inlet Pressure	150 psi (10 bar)



MK908 SERIES

Sanitary Regulators

The Mark 908 Series is an inline style, barstock, pressure reducing valve for regulating very low flow to high flow, low pressure clean compressed air and gas point of use applications in stainless steel and single use disposable vessels for the food & beverage and consumer health & beauty industries.



Sizes	3/4" & 1" (DN20 & DN25)
End Connections	ASME BPE, ISO or DIN Tri-Clamp, Flanged or NPT connections
Cv (Kv)	1.0 - 10 (0,86 - 8,65)
Max Pressure Temperature	Maximum inlet 200 psi (13,8 bar) @ 250°F (121°C)
Set Point Range	1/2" w.c. (1,25 mbarg) - 1.5 psi (103,4 mbarg)
Diaphragm	Ultra lightweight Teflon FDA/USP Class VI

MK68G SERIES

Globe Style Regulating Valves

The Mark 68G Series offers high capacity, accurate regulation and easy servicing, making it the ideal choice for your industrial grade pressure reducing applications. The MK68G can be supplied with a hard seat for ANSI Class IV shutoff or a soft seat for ANSI Class VI shutoff. Easily removable bottom cap allows quick access for replacing seat and plug.

Sizes	1/4" - 2" (DN8 - DN50)
Body Material	Ductile Iron, Bronze, Carbon Steel, Stainless Steel
End Connections	Threaded, Flanged, Socket Weld
Diaphragm	Stainless Steel, Jorlon™, Buna-N/Nylon, Viton/Nomex
Seat	Plug: Buna-N, Vitron, Hardened 17-4 pH Stainless Steel, EPDM
Cv (Kv)	up to 19 (up to 16,3)



MK75 SERIES

Wafer Style Control Valves

The Mark 75 is a lightweight, compact wafer-style body that weighs 10 times less than a traditional valve. We manufacture the valves using less steel and other raw materials. The shipping size, weight, packaging waste and costs decrease dramatically. The Mark 75 uses fewer fossil fuels not only when it is built and shipped, but also less power in its day-to-day operations and fewer resources when it needs maintenance.



Sizes	1" - 8" (DN25 - DN200)
Body Material	Stainless Steel, Carbon Steel
Cv (Kv)	up to 600 (up to 519)
Ranges	3 to 15, 3 to 9*, 9 to 15*, 6 to 30 psi (0,2 to 1,0; 0,2 to 0,6*; 0,6 to 1,0*; 0,4 to 2,1 bar) * positioner required
Turndown Ratio	100:1
Shutoff	ANSI Class IV shutoff

MK75PTP SERIES

Piston Operated Valves

The Mark 75PTP is a Mark 75 wafer style control valve with an 80mm stainless steel piston actuator. The Gemu cPOS smart positioner is standard and required for control applications. For on/off service, the valve may be supplied without a positioner. The JVCV should be used for sizing selection. The "T" slot design connection allows for quick and easy reversing of function - from reverse acting to direct acting (or vice versa).

Sizes	1" - 2" (DN25 - DN50)
Body Material	Stainless Steel, Carbon Steel
Max Pressure Drop	125 psi (8,6 bar) with standard piston actuator and spring
Ranges	1": 12.7 to 14,7 psi (0,88 to 1,01 bar); 1-1/2": 12.7 to 16.7 psi (0,88 to 1,15 bar); 2" 12.7 to 19.1 psi (0,88 to 1,32 bar)
Turndown Ratio	100:1
Shutoff	ANSI Class IV shutoff



MK78 SERIES

Globe Style Control Valves

The Mark 78 Series is designed for accurate performance and simplified maintenance. This versatile product can be used on a variety of applications including viscous/corrosive liquids, process gases or steam in process or utility service. The top entry cage design allows maintenance while the valve is in the line. Characterized flow options including linear, equal percentage, quick opening or an equal-linear combination.



Sizes	1/2" - 2" (DN15 - DN50)
Body Material	Bronze, Carbon Steel, Stainless Steel
End Connection	Threaded, Flanged, Socket Weld, Butt-Weld
Cv (Kv)	up to 50 (up to 43)
Seat	ANSI Class IV (hard seat); ANSI Class VI Teflon (soft seat)
Control Ranges	3 to 15 psi; 6 to 30 psi (0,2 to 1,0 bar; 0,4 to 2,1 bar) or split ranges* (*positioner required)

MK708 SERIES

Fractional Flow Control Valves

The Mark 708 Series provides accurate control on fractional flow applications. It is a complete line of pneumatic and electrically actuated control valves designed to enhance performance to ensure precision control on your most critical micro flow applications. The valve is ideal on pilot plant installations, test standards, R & D facilities, processing plants and specialized processing plants (dosing, injection and venting).



Sizes	1/4" - 3/4" (DN8 - DN20)
Seat Type:	Globe - Class IV or VI
End Connections	Threaded, Socket Weld, Integral Tube, Welded Flange
Body Materials	Carbon Steel, Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.00001 to 4.0 (0,000009 to 3,4)
Ranges	3 to 15 psi or 6 to 30 psi (0,2 to 1,0 bar or 0,4 to 2,1 bar); split ranges are available with optional positioner

JR SERIES

High Pressure Regulators

The JR Series line of high pressure regulators have the ability to handle very high pressures and very low flows. USDA and FDA approved soft goods available upon request. The series is ideal for research and sampling systems along with general, corrosive and specialty gas and liquid services (non-cavitating).



Sizes	1/4", 3/8", 1/2" (DN8, DN10, DN15)
Seat Type	PTFE, PEEK, KEL-F
End Connection	Threaded, socket weld, flanged, others
Body Material	316L Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.012, 0.03, 0.08, 0.20 (0,01; 0,026; 0,07; 0,17)
Spring Range	up to 750 psi (52 bar)

JRH SERIES

Very High Pressure Regulators

The JRH Series of high pressure regulators have the ability to handle high pressures as well as low flows. USDA and FDA approved soft goods available upon request. It is ideal for research and sampling systems along with general, corrosive and specialty gas and liquid services.

Sizes	3/8" & 1/2" (DN10 & DN15)
Seat Type	KEL-F / Viton
End Connection	Threaded, socket weld, flanged, others
Body Materials	316L Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	0.08 (0,69)
Spring Range	2 to 10 psi (0,14 to 0,69 bar) to 75 to 450 psi (5,2 to 31 bar)



JRPH/JRPL SERIES

Piston Operated

The JRPH & JRPL Series are piston operated, balanced trim pressure regulators with high Cv's (Kv's) and a KEL-F soft seat for ANSI Class VI shutoff. There are three set ranges for each model. Elastomer seals are used throughout with Buna-N, EPDM and Viton being standard options, along with matching back up seals. USDA and FDA approved soft goods available upon request. Ideal for a variety of gases, water, acids and oil applications.



Sizes	1/2", 3/4", 1" (DN15, DN20, DN25)
Seat Type	KEL-F
End Connection	Threaded, socket weld, flanged, others
Body Material	316L Stainless Steel, Hastelloy C, Monel, Alloy 20, others
Cv (Kv)	2.1 (1,8)
Spring Range	up to 5800 psi (up to 400 bar)

3L/T2100F-A SERIES

3-Way Ball Valves

The 3L/T 2100F-A Series is a three way ball valve with threaded or welded ends. A single 3-way can replace several 2-ways. Flow may be mixed, diverted or shutoff. With side entry 3-ways, there is always mixing when switching positions, which facilitates switching between devices or pumps.

Sizes	1/2" - 4" (DN15 - DN100)
Body Material	Carbon Steel, Stainless Steel
End Connection	Threaded or welded
Temperature Range	-20°F to 400°F -29°C to 204°C
Operator/ Mounting Pad	Manual operator / ISO 5211 direct mount



2000F SERIES

Automated Flanged Valves

The 2000 Series flanged ball valve is designed to handle process applications. Low torque, combined with a large mounting pad, makes this valve ideal for automation. It offers a wide range of automated accessories including actuators (electric and pneumatic), limit switches, solenoids and gear operators. Seat type: PTFE, PEEK, and KEL-F.



Sizes	1/2" - 6" (DN15 - DN150)
Body Material	Carbon Steel, Stainless Steel
End Connection	Flanged
Temperature Range	-20°F to 400°F / 150 psi steam -29°C to 204°C / 10 bar steam
Automation	Actuators, limit switches, solenoids and gear operators

4700 SERIES

Three Piece Ball Valves

The 4700 Series represents the leading technology in three piece ball valves. This versatile 2000 WOG-rated valve is standard with API 607 5th Edition fire test qualification.

Sizes	1/2" - 4" (DN15 - DN100) Full Port
Body Material	Carbon Steel, Stainless Steel
End Connection	FNPT, FSW
Body Material	LCC, WCB, CF8M, CF3M, WCC
Temperature Range	-20°F to 450°F / 150 psi steam -29°C to 232°C / 10 bar steam
Operator/ Mounting Pad	Manual locking lever / ISO 5211



UNIVERSAL TRAP

Steam Traps



The Universal Trap is a bimetallic steam trap for plant applications requiring standardized connections. The mounting connections allow trap use on any manufacturer's universal mount. The two bolt replacement module allows for ease in installation and replacement. A built-in check valve prevents back flow. It automatically adjusts to operating pressure and load changes, overcoming problems associated with cycle discharge.

Sizes	1/2", 3/4", 1" (DN15, DN20, DN25)
Material	Stainless Steel Internals
Max Allowable Pressure	650 psi (44,8 bar)
Max Allowable Temperature	650°F (343°C)



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