



Your trusted valve partner since 1973

PRODUCT PORTFOLIO





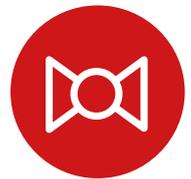
Our vision

We improve the applications of the process industry – for a safe and sustainable future

For 50 years, Askalon has been the process industry's reliable valve partner. The company was founded in 1973 and since the following year we have represented Fisher Control Valves in Sweden.

Askalon is the Emerson Local Business Partner for all Emerson Valves in Sweden, Denmark, Finland, and Iceland and since 2019 we also represent VAG's valves in Sweden and Denmark. We are the only company authorized to service Emerson Valves in Sweden, Finland and Denmark. We currently have cirka 115 employees and around 40 seasonal service technicians.

Our vision and our core values are the basis of everything we do. We want to be our customers' reliable partner throughout the entire project. Askalon offers everything – from the small spare part to diagnostics, maintenance plans, control of the installed base, complex valve designs, and total valve deliveries. Together with the customer, we create stable processes, we eliminate problems in daily operations and we secure the business.



We are there in all situations, both in emergencies and in everyday life. Our aim is to be the safe, reliable and long-term choice for both customers and employees – for a safe and sustainable future.

The control valve is a critical part of the control loop. The control valve manipulates a flowing fluid, such as gas, steam, water, or chemical compounds to compensate for the load disturbance and keeps the regulated process variable as close as possible to the desired set point. There are two main types of control valve designs, depending on the action of the closure member: sliding-stem, also referred to as globe or angle, or rotary also called quarter-turn.

Fisher GX valve and actuator system



The Fisher™ GX valve and actuator system can meet a wide range of flow and pipeline sizing requirements. A three-way construction is available, which is suited for accurate temperature control. The engineered passages within the valve body provide optimal capacity and create a stable flow pattern for smooth operation.

- CRN, CUTR, Fugitive Emission, PED, SIL capable
- Noise Abatement, Cavitation, Erosive, Low Flow, Corrosive, General Service
- Equal Percentage, Linear, Special Characterization
- Carbon Steel, Stainless, Duplex, Alloy
- Standard Temperature, High Temperature
- PN 10-40 / CL150-CL 300
- Flanged
- Shutoff Class: Class IV (FCI 70-2), Class V (FCI 70-2), Class VI (FCI 70-2)
- DN 15-150 / NPS 1/2-NPS 6

Fisher HP Series: HPD, HPS, HPT High Pressure Valves



The Fisher™ HP series control valves are single-port, high-pressure, globe- or angle-style valves with metal seats, cage guides, and push-down-to-close valve plug action. These valves are designed for high-pressure applications in process control industries such as power generation, hydrocarbon production, chemical processing, and refining.

- SIL capable, CSA, FM, ATEX, IECEX, CUTR, PED, CRN, Fire Safe, Fugitive Emission, NACE
- Noise Abatement, Cavitation, Dirty Service, Erosive, Low Flow, Corrosive, General Service, Flashing
- Equal percentage, Linear, Special Characterization, Quick Opening
- Carbon Steel, Stainless, Duplex, Alloy, Cast Iron
- Cryogenic, Standard Temperature, High Temperature
- PN, ASME
- Flanged, Butt Weld, RTJ, Socket Weld
- Shutoff Class: Class II (FCI 70-2), Class III (FCI 70-2), Class IV (FCI 70-2), Class V (FCI 70-2), TSO
- DN 25-350 / NPS 1-14

Fisher E-body Valves



Fisher™ [E-Body Valves](#) come in many configurations and options including soft and hard trims, body/trim materials, flow characteristics as well as balanced and unbalanced plugs to meet the demands of most applications. Fisher easy-e control valves – available in NPS 1/2 thru 36 — provide users with high performance and reliability. They can help solve your application needs from big to small, hot to cold, general to severe. No other globe valves offer the broad application versatility of easy-e valves.

Features & Benefits

- Multiple trim material choices
- Interchangeable, restricted-capacity trims and full-sized trims to match variable process flow demands
- Different cage/plug styles that provide particular flow characteristics for highly-specialized applications.



Fisher easy-e ED Sliding Stem Valve



The Fisher™ easy-e ED valve is available in globe and angle bodies. This single-port control valve has a balanced valve plug design, cage guiding, and metal-to-metal seating for all general applications over a wide range of process pressure drops and temperatures.

- SIL capable, Fugitive Emission, NACE
- Noise Abatement, Cavitation, Steam Condition, Erosive, Low Flow, Corrosive, General Service, Outgassing, Flashing
- Equal Percentage, Linear, Special Characterization, Quick Opening
- Carbon Steel, Stainless, Alloy
- PN, ASME
- Shutoff Class: Class II (FCI 70-2), Class III (FCI 70-2), Class IV (FCI 70-2), Class V (FCI 70-2)
- Flanged, Butt Weld, RTJ, Threaded, Socket Weld
- DN 25-900 / NPS 1-NPS 36
- PN 16-100 / CL150-CL600
- High Temperature

Fisher easy-e ES Sliding Stem Valve



The Fisher™ easy-e ES valve is your solution for a wide range of applications, including sulfide and chloride stress-cracking environments common to the oil and gas production industries. Available in globe or angle body, these valves can provide up to Class V or VI shutoff.

- SIL capable, Fugitive Emission, NACE
- Noise Abatement, Steam Condition, Erosive, Low Flow, General Service, Corrosive, Outgassing, Flashing
- Equal Percentage, Linear, Special Characterization, Quick Opening
- Carbon Steel, Stainless, Alloy, Duplex
- PN, ASME
- Shutoff Class: Class IV (FCI 70-2), Class V (FCI 70-2), Class VI (FCI 70-2)
- Flanged, Butt Weld, RTJ, Threaded, Socket Weld
- DN 15-200 / NPS 1/2-NPS 8
- PN 16-100 / CL125-CL600
- Standard Temperature

Fisher easy-e ET Sliding Stem Valve



The Fisher™ easy-e ET valve is your solution for all general applications with high process temperatures, featuring a balanced plug design and cage-guided trim. Available in globe or angle body, these valves can provide up to Class V or VI shutoff.

- SIL capable, Fugitive Emission, NACE
- Noise Abatement, Cavitation, Steam Condition, Erosive, Low Flow, Corrosive, General Service, Outgassing, Flashing
- Equal Percentage, Linear, Special Characterization, Quick Opening
- Carbon Steel, Stainless, Alloy, Duplex
- PN, ASME
- Shutoff Class: Class IV (FCI 70-2), Class V (FCI 70-2), Class VI (FCI 70-2)
- Flanged, Butt Weld, RTJ, Threaded, Socket Weld
- DN 15-750 / NPS 1-NPS 36
- PN 25-100 / CL125-CL600
- Standard Temperature

Fisher easy-e ET-C Cryogenic Control Valve



The Fisher™ easy-e cryogenic valve is a globe style, single-port, valve featuring stainless steel construction materials and fabricated extension bonnets. These cryogenic valves are designed to provide throttling or on/off control of liquids and gases at cryogenic temperatures as low as -198°C (-325°F). When required, these rugged valves can reliably provide tight shutoff for special applications within the chemical and hydrocarbon processing industries, such as certain liquefied natural gas services.

- Stainless Steel
- DN 80-200 / NPS 3-8
- PN 10-100 / CL124-CL600
- -198° to 66°C (-325 to 150°F)
- Equal percentage, Linear
- Shutoff Classifications Per ANSI/FCI 70-2 and IEC 60534-4
- Shutoff Class: Class IV (Class V or VI Optional)
- Approximate Weights (CL600 Valves): NPS 3: 51 kg, NPS 8: 372 kg
- SIL capable, Fugitive Emission, NACE
- Cryogenic Spring-Loaded Seal Ring
- Flanged
- Balanced valve plug
- With cage guiding

Fisher easy-e EZ Sliding Stem Valve



The Fisher™ easy-e EZ control valve is your solution for throttling or on/off control in chemical or hydrocarbon processing applications, or wherever control of non-lubricating, viscous, or other hard-to-handle fluids is necessary.

- SIL capable, Fugitive Emission, NACE
- Noise Abatement, Dirty Service, Steam Condition, Erosive, Corrosive Low Flow, General Service, Outgassing, Flashing
- Equal percentage, Linear, Special Characterization, Quick Opening
- Carbon Steel, Stainless, Duplex, Alloy
- PN, ASME
- Shutoff Class: Class IV (FCI 70-2), Class V (FCI 70-2), Class VI (FCI 70-2)
- Flanged, Butt Weld, RTI, Threaded, Socket Weld
- DN 15-100 / NPS ½-4
- PN 16-100 / CL124-CL600
- Standard Temperature

Fisher easy-e EZ-C Cryogenic Control Valve



The Fisher™ easy-e cryogenic valve is a globe style, single-port, valve featuring stainless steel construction materials and fabricated extension bonnets. These cryogenic valves are designed to provide throttling or on/off control of liquids and gases at cryogenic temperatures as low as -198°C (-325°F). When required, these rugged valves can reliably provide tight shutoff for special applications within the chemical and hydrocarbon processing industries, such as certain liquefied natural gas services.

- Stainless Steel
- DN 25-100 / NPS 1-4
- PN 10-100 / CL150-CL600
- -198° to 149°C (-325 to 300°F)
- Quick-opening, Equal percentage, Linear
- Shutoff Classifications Per ANSI/FCI 70-2 and IEC 60534-4
- Class IV (Class VI Optional)
- Approximate Weights (CL600 Valves): NPS 1: 15 kg, NPS 4: 95 kg
- SIL capable, Fugitive Emission, NACE
- Flanged
- Unbalanced valve plug
- With post-guiding

Fisher easy-e EW Series: EWD, EWS, EWT Sliding Stem Valves



The Fisher™ easy-e EW series product line is available for a wide range of applications common to the oil and gas production industries. These valves meet a variety of service requirements, such as power plants where oversized piping is used to limit fluid flow velocity. They also perform well in noise abatement applications; for example, high pressure gas reducing stations where sonic velocities are often encountered at the outlet of conventional valve bodies.

- SIL capable, Fugitive Emission, NACE
- Noise Abatement, Flashing, Erosive, Corrosive, General Service, Outgassing
- Equal percentage, Linear, Special Characterization, Quick Opening
- Carbon Steel, Stainless, Duplex, Alloy
- Standard Temperature
- PN, ASME
- Flanged, Butt Weld, RTI
- Shutoff Class: Class II (FCI 70-2), Class III (FCI 70-2), Class IV (FCI 70-2), Class V (FCI 70-2)
- DN 100-600 / NPS 4-24

Fisher easy-e EWT-C Cryogenic Control Valve



The Fisher™ EWT-C is a specialized version of the EWT series. A metal-to-metal seated globe-style, single-port, cage-guided, pressure-balanced valve featuring stainless steel construction materials, unique trim, seals, and a longer extension bonnet to tolerate the extreme cold.

- NPS 6x4, 8x4, 8x6, 12x6, 10x8 (Valve size number is end connection size by normal trim size)
- CL150-CL600
- -198° to 66°C (-325 to 150°F)
- Equal percentage, Linear
- Shutoff Class: Class IV (Class V Optional)
- SIL3 capable
- Flanged
- Balanced valve plug
- With cage guiding
- Approximate Weights (CL600 Valves): NPS 6x4: 200 kg, NPS 10x8: 753 kg



Fisher Vee-Ball V150 Rotary Valve



The Fisher™ Vee-Ball V150 control valve is your best choice for performance and cost-effectiveness across a broad range of applications. The precision-machined parts and pressure-balanced seal designs allow smooth, precise valve operation.

- SIL capable, ATEX, CUTR, PED, CRN, Fugitive Emission, NACE
- Noise Abatement, Dirty Service, Erosive, Low Flow, General Service, Cavitation
- Equal Percentage
- Carbon Steel, Stainless, Duplex, Alloy
- Standard Temperature
- PN, ASME
- Flanged
- Shutoff class: Class III (FCI 70-2), Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 25-600 / NPS 1-24

Fisher Vee-Ball V200 Rotary Valve



The Fisher™ Vee-Ball V200 control valve is your best choice for performance and cost-effectiveness across a broad range of applications. The precision-machined parts and pressure balanced seal designs allow smooth, precise valve operation.

- SIL capable, ATEX, CUTR, PED, CRN, Fugitive Emission, NACE
- Noise Abatement, Dirty Service, Erosive, Low Flow, General Service
- Equal Percentage
- Carbon Steel, Stainless, Duplex, Alloy
- Standard Temperature
- PN, ASME
- Flanged
- Shutoff class: Class III (FCI 70-2), Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 25-600 / NPS 1- 24

Fisher Vee-Ball V200U Rotary Valve



The Fisher™ Vee-Ball V200U is a flangeless design that offers many of the favorable traits of the proven V150, V200, and V300 Series B Vee-Ball valves with the added feature of a reduced, compact face-to-face dimension design. The contoured segmented V-Notch ball promotes smooth, nonlogging operation and provides a shearing action between ball and the durable HD metal seal. The unrestricted straight-through flow design provides efficient, high capacity for gas, steam, liquids, and fibrous slurries.

- ATEX, PED, Fugitive Emission, NACE
- Dirty Service, Erosive, Low Flow, General Service
- Equal Percentage
- CF8M / EN 1.4408 Dual Certified
- Standard Temperature
- ASME
- Flangeless
- Shutoff class: CClass IV (FCI 70-2)
- DN 80-250 / NPS 3-10
- ASME, DN

Fisher Vee-Ball V300 Rotary Valve



The Fisher™ Vee-Ball V300 control valve is your best choice for performance and cost-effectiveness across a broad range of applications. The precision-machined parts and pressure-balanced seal designs allow smooth, precise valve operation.

- SIL capable, ATEX, CUTR, PED, CRN, Fugitive Emission, NACE
- Noise Abatement, Dirty Service, Erosive, Low Flow, General Service, Cavitation
- Equal Percentage
- Carbon Steel, Stainless, Duplex, Alloy
- Standard Temperature
- PN, ASME
- Flanged
- Shutoff class: Class III (FCI 70-2), Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 25-500 / NPS 1-20

Fisher CV500 Eccentric Plug Valve



The Fisher™ CV500 valve combines the rangeability of the cammed, segmented V-notched ball, with inherent ruggedness in the heavy duty bearings, seals, and body. This combination provides a balance of erosion resistance and pressure control for gas and liquids.

- SIL capable, ATEX, CUTR, PED, CRN, Fugitive Emission, NACE
- Cavitation, Dirty Service, Erosive, Low Flow, General Service
- Equal Percentage
- Carbon Steel, Stainless, Alloy
- Standard Temperature
- PN, ASME
- Flanged
- Shutoff class: Class IV (FCI 70-2)
- DN 80-300 / NPS 3-12

Fisher V500 Eccentric Plug Valve



The Fisher™ V500 rotary control valve combines globe valve ruggedness with the efficiency of a rotary valve. It is designed to control erosive, coking, and other hard-to-handle fluids, providing either throttling or on/off operation.

- SIL capable, ATEX, CUTR, PED, CRN, Fugitive Emission, NACE
- Noise Abatement, Cavitation, Dirty Service, Erosive, Low Flow, General Service
- Linear
- Carbon Steel, Stainless, Alloy, Duplex
- Standard Temperature
- PN, ASME
- Flanged
- Metal, Soft
- Shutoff class: Class IV (FCI 70-2)
- DN 25-200 / NPS 1-8

Fisher Control-Disk Rotary Valve



The Control-Disk™ rotary valve offers excellent throttling performance. An equal percentage flow characteristic provides an improved throttling range comparable to that of a segmented ball valve. This improved capability allows you to control closer to the target set point, regardless of process disturbances, which results in a reduction in process variability.

- SIL capable, PED, CRN, Fugitive Emission, NACE, ATEX, CUTR, Fire Safe
- General Service
- Equal Percentage
- Carbon Steel, Stainless, Alloy
- Standard Temperature, High Temperature
- PN, ASME
- Flanged, Single Flanged, Double Flanged, Lugged, Wafer
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 80-600 / NPS 3-24

Fisher 8540 Butterfly Valve



The Fisher™ 8540 valve features an eccentrically mounted disk with a soft seal ring. Soft seals provide excellent sealing capabilities in both flow directions. The square shaft combines with a variety of actuators to form a reliable, high-performance valve suitable for many applications requiring tight shutoff.

- PED, CUTR
- General Service
- Linear
- Carbon Steel, Stainless Steel
- Standard Temperature
- ASME
- Wafer
- PTFE Seals
- Bidirectional shutoff to Class VI per ANSI/FCI 70-2.
- ASME B16.34
- Square stem
- DN 80-300 / NPS 3-12



Fisher 8580 Butterfly Valve



The Fisher™ 8580 high performance butterfly valve provides the capability for enhanced shutoff and features an eccentrically-mounted disk with either a soft or metal seal. Experience excellent throttling and on/off performance with this control valve.

- SIL capable, PED, CRN, Fugitive Emission, NACE, ATEX, CUTR
- General Service
- Linear
- Carbon Steel, Stainless, Alloy
- Standard Temperature, High Temperature
- Power source: Electric, Hydraulic, Pneumatic, Lever, Gear, Electro-Hydraulic
- PN, ASME
- Flanged, Single Flanged, Double Flanged, Lugged, Wafer
- Metal, Soft
- Shutoff class: MSS SP-61, Class IV (FCI 70-2), Class VI (FCI 70-2)
- Standards: B16.34
- Live Loaded, Adjustable Packing
- DN 80-300 / NPS 2-12

Baumann 24000S Sliding Stem Valve & Actuator



The Baumann™ 24000S control valve is versatile, pneumatic, and may be used for the control of pressure, temperature, level, and flow. The CF8M stainless steel valve body will withstand mildly corrosive fluids, yet is economical enough to use in applications where carbon steel is normally specified.

- ATEX, CUTR, PED, CRN
- General Service, Corrosive
- Equal Percentage, Linear
- Stainless
- Cryogenic, Standard Temperature, High Temperature
- ANSI CL300 (NPS 3 is only CL150)
- Threaded (NPS 3 is flangeless), Butt Weld
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 15-80 / NPS 1/2-3

Baumann 24000SB Sliding Stem Valve



The Baumann™ 24000SB control valve is recommended for low flow, high pressure, and industrial control applications. The 24000SB valve is the ideal solution for applications that exceed the operating range of other Fisher 24000 series valves. Various end connections ranging from threaded (standard), butt weld, and flanged add versatility to this high-pressure product line. Special high nickel alloy constructions are available and round out the basic S31600/S31603 stainless steel offering.

- ATEX, CUTR, PED, CRN
- Low Flow
- Equal Percentage, Linear
- Stainless, Alloy
- Cryogenic, Standard Temperature, High Temperature
- ANSI CL150, ANSI CL300, ANSI CL600, ANSI CL900, ANSI CL1500
- Flanged, Butt Weld, Threaded
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 15-25 / NPS ½-1

Baumann 24000CVF & SVF Sliding Stem Valve



The high performance Baumann™ 24000CVF Carbon and SVF Stainless steel control valve designs feature low deadband and hysteresis, high flow capacity, superb control characteristics, tight shutoff, and advanced packing systems which meet demanding service conditions. The compact and light weight design makes them ideal for installation in high density piping systems, where space is a premium.

- ATEX, CUTR, PED, CRN
- General Service
- Equal Percentage, Linear
- Carbon Steel, Stainless
- Standard Temperature
- ANSI CL150, ANSI CL300, DIN PN 10-40
- Flanged
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 15-100 / NPS ½-4

Baumann 26000 Sliding Stem Valve



The Baumann™ 26000 valve is a unique corrosion-resistant control valve featuring a flangeless wafer valve body and powerful multi-spring diaphragm actuator. A solid corrosion-resistant R05200 Tantalum or N10276 nickel alloy valve plug and pressure-assisted PTFE seat combine for an extremely wide control range making the 26000 series ideal for pH control applications. Top entry trim provides ease of servicing and a long operating life.

- CUTR, PED, CRN
- Low Flow, Corrosive, General Service
- Special Characterizations, Modified Equal Percentage
- Stainless (PTFE Lined)
- Standard Temperature, High Temperature
- 150 psi CWP, 10.3 bar CWP
- Flangeless
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 25 / NPS 1

Baumann 51000 Sliding Stem Valve



The Baumann™ 51000 control valve is optimally designed for demanding low flow, high pressure control applications often found in laboratories and pilot plants. NPS 1/4 or 1/2 valve assemblies are standard as either investment cast stainless steel or N10276 nickel alloy. Constructions with other high nickel alloys are available.

- CUTR, PED, CRN, ATEX
- Low Flow
- Modified Equal Percentage
- Stainless, Alloy
- Standard Temperature
- 3000 psi CWP
- Threaded
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- NPS 1/4, NPS 1/3

Baumann 81000 Mikroseal Control Valve



The Baumann™ 81000 Mikroseal control valve is excellent for throttling of liquid or gaseous media, particularly where wide flow variations are encountered. Its packless design allows for applications where leakage-prone stem packings are not tolerated. A nearly frictionless mechanical force-amplifying mechanism is employed to reduce the travel of the pneumatic or electric actuators. This allows the closure diaphragm to move precisely against the valve orifice to throttle or stop the passing fluid. The same nearly frictionless mechanism, composed of stainless steel and PTFE lined ball bearings and guide bushings, assures very precise positioning with negligible deadband.

- ATEX, CUTR, PED, CRN
- Low Flow
- Modified Equal Percentage
- Stainless, Alloy
- Standard Temperature
- 275 psig CWP
- Threaded
- Shutoff class: Class IV (FCI 70-2)
- NPS 1/4, NPS 1/2

Baumann 83000 Sanitary Angle Control Valve



The Baumann™ 83000 sanitary angle control valve is excellent for the control of high purity fluids or gaseous media. A low-friction force amplification mechanism, comprised of a roller bearing linkage, produces high-positioning resolution suitable for direct operation from remote I/P signal converters.

- 3A, CRN, CUTR, PED
- Low Flow, General Service, Sanitary
- Special Characterizations, Modified Equal Percentage
- Stainless
- Standard Temperature, High Temperature
- 275 psi CWP
- Tri-Clamp
- Shutoff class: Class IV (FCI 70-2)
- NPS 1/2
- NPS, DN



Baumann 84000 Sanitary Control Valve



Baumann™ 84000 sanitary control valves are designed to satisfy the stringent demands of the life sciences industry. These valves are in compliance with 3A Sanitary Standards Inc. requirements. Incorporating reliable class III diaphragm technology, the 84000 valves can handle high temperatures. The uniquely shaped diaphragm results in low shear forces in the flow stream, minimizing possible damage to delicate bio-media or altering the consistency of the end product.

- 3A, CRN, CUTR, PED
- Low Flow, General Service
- Special Characterizations, Modified Equal Percentage
- Stainless
- Standard Temperature, High Temperature
- 150 psi
- Tri-Clamp
- Throttling
- NPS 1, NPS 1-1/2, NPS 2

Baumann 85000 Sanitary Pinch Valve



Baumann™ 85000 sanitary pinch valves are intended for use with 3/4 inch O.D. pharmaceutical grade tubing. The 85000 is designed for use in both biotechnology and pharmaceutical industries, where cleanliness and sterility are required. The primary use is for disposable skid-based processes, replacing traditional manually operated valves. Automated valves offer consistent quality, better record keeping, and improved batch control.

- Low Flow, Sanitary
- Stainless
- Standard Temperature, High Temperature
- Flangeless/Inline
- On/Off, Positioning
- NPS 3/4

Baumann 87000 Flexsleev Sanitary Control Valve



The Baumann™ 87000 control valve is excellent for throttling high purity liquid or gaseous media commonly found in the food and beverage, pharmaceutical, film, and biotechnology industries. This valve is suitable for repeated steam sterilization cycles with 2.4 bar (35 psi) maximum steam pressures.

- CRN, CUTR, PED
- Low Flow, General Service, Sanitary
- Special Characterizations, Modified Equal Percentage
- Stainless
- Standard Temperature, High Temperature
- 150 psi
- Tri-Clamp
- Class VI (FCI 70-2)
- NPS 1/2

Baumann 89000 Sanitary Control Valve



Baumann™ 89000 sanitary control valves provide control solutions for various sanitary process systems. These valves meet FDA and USP CLVI standards. All metal parts in contact with the media are made of S31603 stainless steel and each valve comes standard with a stainless steel actuator to resist corrosion from caustic wash down. The 89000 control valve is designed for use in a wide range of applications in many industries where cleanliness and sterility are required.

- PED
- Low Flow, General Service, Sanitary
- Special Characterizations, Modified Equal Percentage
- Stainless
- Standard Temperature, High Temperature
- 250 psi CWP
- Shutoff class: Class IV (FCI 70-2)
- Tri-Clamp, Butt Weld
- NPS 1/2, NPS 3/4, NPS 1, NPS 1-1/2, NPS 2, NPS 3, NPS 4

Driven by innovation, with an outstanding portfolio of proven brands, Emerson manufactures and markets an extensive range of valves serving a wide spectrum of applications in the oil and gas, petrochemical, chemical, pharmaceutical and allied process. Askalon delivers the performance you need from your isolation and shutoff valves to safely and effectively control your process.

Vanessa 30.000 Butterfly Valve



The Vanessa™ Series 30,000 is a robust triple offset valve featuring an integral-to-body valve seat and optimized seating angles, that enables the Series 30,000 to handle isolation and process control through multiple functionalities.

- Long Pattern, Short Pattern, Top Entry, Welded Body
- Carbon Steel, Duplex, Stainless Steel
- Standard Temperature
- ASME, PN
- Metal-to-Metal
- API 598, Class IV (FCI 70-3), Class V (FCI 70-2), Class VI (FCI 70-2), Zero Leakage
- API 609, ASME B16.34
- Emergency Shutoff Valves, Switching Valve
- DN 80- 3000 / NPS 3- 120

Sempell VA500 Globe Valve



Sempell™ model VA 500 is an isolation valve for high pressure and high temperature systems. Robust valve with one-piece dye cast body, Stellite body seat, visual position indicator, non-rising stem. Simple adaption to motorization with electrical actuator. As standard with weld end connection. Flanges upon request.

- ASME B31.1, CE, PED
- Butt Weld, Socket Weld
- Clean Steam, High Temp, HRSG, Pumps, Valves & Manifolds, Steam Headers, Steam turbine, Boilers, Biomass Boiler and Power Boiler, Balance of Plant
- Long Pattern Body Design
- Alloy, Carbon Steel, Stainless Steel, Steel, Metal
- High Temperature
- PN, ASME
- BWE, SWE
- Metal-to-Metal
- Shutoff class: Class V (FCI 70-2)
- ASME B16.34
- DN 15-65 / NPS ½-2 ½

Neotecha NeoSeal Lined Valve



Neotecha™ model NeoSeal is a PTFE lined solution according ISO 5752/5 short (EN 558-1/T5) with various corrosion resistant disc material.

- PED, Fugitive Emission, CUTR, CRN, CE
- Lugged, Wafer
- Short Pattern
- Ductile Iron
- Less Than 200 C
- PN
- Lined
- DN
- Aggressive Liquids/Gases



Keystone GR Butterfly Valve



Keystone™ series GR is a general purpose resilient seated butterfly valve available in flanged, lugged or wafer body style for any service where drop-tight shut-off and maximum flow area is required.

- DN 50-900 / NPS 2-36
- Pressure: 16 bar DN 50 to 300 (230 psi NPS 2 to 12)
10 bar DN 350 to 900 (150 psi NPS 14 to 36)
- Reinforced seat: 16 bar DN 350 to 600 (230 psi NPS 14 to 24)
- End of line: 10 bar DN 50 to 300 (150 psi NPS 2 to 12)
6 bar DN 350 to 900 (90 psi NPS 14 to 36)
- Reinforced seat: 10 bar DN 350 to 600 (150 psi NPS 14 to 24)
- 0.4 bar (5.8 psia) vacuum service
- -40°C to +160°C (-40 °F to +320°F)
- PN 6/10/16, 125/150, JIS 10K, BS Table E, AS4087 PN 16, AS2129 Table E

Keystone OptiSeal Butterfly Valve



Keystone™ OptiSeal is a resilient seated butterfly valve for general purpose, food and beverage processing, industrial applications and chemical applications when configured with a PTFE lined seat, disc and stem.

- ATEX, CUTR, PED, CRN
- Low Flow
- Equal Percentage, Linear
- Stainless, Alloy
- Cryogenic, Standard Temperature, High Temperature
- ANSI CL150, ANSI CL300, ANSI CL600, ANSI CL900, ANSI CL1500
- Flanged, Butt Weld, Threaded
- Shutoff class: Class IV (FCI 70-2), Class VI (FCI 70-2)
- DN 15-25 / NPS ½- 1

Keystone CompoSeal Butterfly Valve



Keystone™ model CompoSeal is a resilient seated butterfly valve with valve body and disc in high engineered composite material providing excellent internal and external chemical resistance.

- ABS, PED
- Composition Fiber
- Filtration, Cruise Ship, Air Circulation
- Less than 150°C
- PN
- PN16
- Wafer
- Resilient
- Zero leakage
- DN 40-300 / NPS 1 ½-12

Keystone Fig. 320/322 Butterfly Valve



Keystone™ 320 is an economical resilient seated butterfly valve with dimensions according ISO standards for applications requiring shut-off control in both wafer (Figure 320) and lugged (Figure 322) style.

- PED
- Lugged, Wafer
- Air Circulation, Blowers, Balance of Plant, Chillers, Water distribution, Dryers & Evaporators, Cooling Water, Evaporators & Dryers, Filtration
- Ductile Iron
- Up to 250°F (120°C)
- PN
- PN16
- Resilient
- Zero Leakage
- DN 65-300 / NPS 2 ½-12
- Air, Liquids, Water, Water Glycol
- O-ring

Keystone Fig. 990/920 Butterfly Valve



Keystone™ Figure 990/920 is a split body, thin disc resilient seated butterfly valve designed for high flow and modulating service. This valve excels in heavy duty applications where corrosion and abrasion resistance is required. It is available in both wafer (Figure 990) and lugged (Figure 920) style.

- CRN
- Automotive, Beverages, Biofuels, Blowers, Brewing, Initial Food Processing, Product Blending, Winemaking, Processed Foods
- 316 Stainless Steel, Buna-N, Teflon, Super Duplex, Monel, Hastelloy, EPDM Rubber, Duplex, Cast Iron, Ductile Iron, Titanium
- Up to 250°F (120°C)
- ASME
- 150RF
- Zero Leakage
- API 609, ASME B16.34
- DN 25-500 / NPS 1-20
- Specialty Gases, Liquids, Air, Inert Gas, Water, Air
- O-ring Stem

Keystone K-LOK Series 36/37 Butterfly Valve



Keystone™ Figure 85 is a wafer style swing check valve with short face-to-face dimensions and is suitable for use in a range of gas and liquid applications.

- 316 Stainless Steel, 316L Stainless Steel, Carbon Steel, Duplex, Stainless Steel, Super Duplex
- ASME
- 150RF, 300RF
- High performance
- Zero Leakage
- API 609, ASME B16.34
- DN 50-600 / NPS 2-24
- Butterfly, High performance Butterfly Valve

Keystone K-LOK Series 38 High Performance Butterfly Valve



Keystone K-LOK Series 38 is a high performance butterfly valve engineered to NAMUR Recommendation NE 167. The valve is rated PN10, 16 & 25 and available in wafer and lugged style. The unique design does not rely on pressure to assist sealing and therefore seals at high and low pressures, as well as dirty services.

- -29°C to 200°C
- PN 10, 16, 25
- Chemical and petrochemical processing, purified gas, steam, vacuum, water and utilities
- ISO 15848-1, PED-CE, UKCA, SIL
- EN 12569, EN 593, EN 16668, and Namur NE 167.
- EN 558
- Lug and wafer
- Lug style valves are full rated for bi-directional dead-end service as standard and incorporate an uninterrupted flange gasket sealing surface

Keystone Fig. 85 Check Valve



Keystone™ Figure 86 is a high capacity, spring loaded wafer style swing check valve designed to prevent back flow in a variety of applications including pump and multi-pump systems.

- DN 40-300
- -60 to +204°C
- 16 bar pressure
- Flange acc: PN 10/16, ASME 150



Keystone Fig. 86 Swing Type Check Valve



Keystone™ Figure 86 is a high capacity, spring loaded wafer style swing check valve designed to prevent back flow in a variety of applications including pump and multi-pump systems.

- DN 40-300
- -40 to +190°C
- 16/1600 bar pressure
- Flange acc: PN 6/10/16/25, ASME 150/300, AS 2129 C, D & E (multi), JIS 5/10/16/20/30

KTM Series EF1 Floating Ball Valve



KTM Series EF1 split body flanged ball valve is a general purpose ball valve available in a variety of material configurations and features the patented SEALMASTER® shaft seal that provides exceptional fugitive emissions performance.

- Two-Piece
- Carbon Steel or Stainless Steel
- Flanged
- PN 10/16, PN 25/40, ASME 150/300
- DN 15- 300 / NPS ½- 12
- ANSI CL150, ANSI CL300, ANSI CL600, ANSI CL900, ANSI CL1500
- Ball Valve, Floating Ball Valve

KTM Series EB1 OM-2 Split Body Floating Ball Valve



Versatile KTM Series EB1 is a high performance, next generation ball valve with bidirectional soft-seats, LOW-E fugitive emission certification, high pressure & temperature options and competitive design with cavity relieving seats.

- -320°F to 932°F (-196°C to 500°C)
- ASME Class 150, 300, 600, 900, 1500
- Long Pattern, Side Entry
- 304 Stainless Steel, 316 Stainless Steel, Carbon Steel, Hastelloy, Inconel, Low Temp Carbon Steel, Stainless, Stainless Steel, Alloy
- -330 to 842°F (-200 to 450°C)
- ASME
- 150FF, 300RF, CL150RF, CL300RF, Flanged
- Ball, Metal-to-Metal, Soft Seal
- Shutoff Class: API 598, Class V (FCI 70-2), Class VI (FCI 70-2), Rate D (ISO 5208), Zero Leakage
- API 608, ASME B16.34
- DN 15-250 / NPS ½-10
- Automated Ball Valve, Ball, Ball Valve, Floating Ball Valve

KTM Mecafrance Series RA 3-Piece Ball Valves



The KTM Mecafrance Series RA is a 3-piece ball valve with swing-out center section for easy seat and gasket replacement. It is available as full and reduced bore with a cast body in either carbon or stainless steel, the ISO top flange allows for easy automation. Butt weld, threaded, socket weld and flanged version. Size range DN 8-DN 200, pressure range PN10-PN100. Series RA ball valves are also available with metal seats for corrosive and abrasive services at elevated temperatures up to 400°C. These can be fitted in all standard KTM™ Mecafrance 3-piece ball valves without further modifications. 3-way ball valves are available with L-bore, T-bore, horizontal and vertical connections. They have a cast body in either carbon or stainless steel with full or reduced bore.

- Carbon Steel, Stainless Steel
- Flanged, Socket Weld Flange, Threaded
- Metal, Resilient
- DN 8-200 / NPS ½-8
- Ball

KTM Series EB7 Floating Ball Valve



KTM™ Fire-safe and Anti-Static ASME 150/300 one piece, end entry, flanged ball valve for oil, gas, petrochemical and chemical industries.

- Regional, PED, CE
- Flanged
- Evaporators & Recovery Boiler, Facilities & Process Utilities, Enhanced Oil Recovery, Waste to Energy, Dryers & Evaporators, Distillation & Fractionation
- Long Pattern, Short Pattern, Side Entry
- Carbon Steel, 316 Stainless Steel
- ASME
- CL300RF, 300RF, CL150RF, 150RF, Flanged
- Ball, Soft Seal
- API 598, Zero Leakage
- API 608, ASME B16.34
- DN 15-200 / NPS ½-8
- Floating Ball Valve, Ball
- Liquids, Liquid Propane, Liquid, Light Oil, Hot Water

K-Ball Series 120 Floating Ball Valves



The K-Ball™ Series 120 is an economical stainless steel floating ball valve for use in a wide variety of industrial applications. The Series 120 is available in a two-piece, full bore configuration.

- Two-Piece
- Stainless Steel
- 150RF, 300RF
- Threaded to BSPP, BSPT and NPT
- Up to 1000 psi (PN 69)
- DN 8-50 / NPS ¼-2
- Ball Valve, Floating Ball Valve

K-Ball Series 155 Floating Ball Valves



The K-Ball™ Series 155 is an economical, three-piece, full bore floating ball valve for use in a wide variety of industrial applications. The Series 155 is configurable in a number of material options with threaded, butt weld or socket weld end connections.

- Three-Piece
- Carbon Steel or Stainless Steel
- Butt weld, socket weld and threaded to BSPP, BSPT and NPT
- Up to 1000 psi (PN 69)
- DN 8-50 / NPS ¼-2
- Ball Valve, Floating Ball Valve

Clarkson Model KGA Plus Knife Gate Valve



The Clarkson KGA+ heavy duty slurry valve offers improved seals, full flange body options, and simplified design for easier maintenance. It provides optimal performance in various conditions and 100% isolation.

- DN 80-1500 / NPS 3-60
- Up to 180°C (400 °F)
- 100 psi
- Flanged
- Zero Leakage
- Knife Gate Valve, Slurry Knife Gate Valve



Clarkson Model KGD Wafer Style Slurry Valve



The Clarkson KGD wafer style slurry knife gate valve is a high-quality, bi-directional isolation valve designed for optimal performance, durability, and reliability. Ideal for heavy-duty applications requiring ultimate sealing, it offers the latest in elastomer technology with the Mark III sleeve design.

- DN 50-600 / NPS 2-24
- Up to 300°F (150°C)
- Up to 200 psi (14 bar) CWP
- Wafer
- Zero Leakage
- Knife Gate Valve, Slurry Knife Gate Valve

Clarkson Model KGF/KGFHP Knife Gate Valve



The Clarkson KGF and KGF-HP slurry knife gate valves provide proven slurry valve technology in higher pressures. High pressure designs for the most challenging applications.

- Knife Gate Valve, Slurry Knife Gate Valve
- 100% isolation bubble-tight shut-off
- Double-seated
- Adaptable frame (yoke) design
- DN 80-900 /NPS 3-36
- Standard sleeve rated to 82°C (180°F), up to 150°C (300°F) with proper elastomer selection

AEV ²XC Severe Service C-Ball Valve



Emerson's AEV ²XC™ C-Ball Valve, is set to revolutionize the way you think about ball valves in the isolation of your severe service processes. With its breakthrough "C" shaped ball design, the ²XC™ ball valve delivers unrivalled torque seated isolation, with improved safety, reliability, and performance.

- API 6D, Shell DVT, SIL 3 Capable, Firesafe and Fugitive Emissions
- Severe Service, Molecular Sieve, Polymers
- Chrome Carbide, Tungsten Carbide or other hard facing, Ceramic Inserts
- Up to 816°C (1500°F)
- ASME, EN PN
- Flanged, Butt Welded, Socket Welded, Threaded, Hub
- ASME Class 150, 300, 600, 900, 1500, 2500, 4500. PN 10 – 760
- DN 15 - 1050 (NPS ½- 42)

AEV ²XC Cryogenic C-Ball Valve



Emerson's AEV ²XC™ C-Ball Valve, is set to revolutionize the way you think about ball valves in the isolation of your cryogenic processes. With its breakthrough "C" shaped ball design, the ²XC™ ball valve delivers unrivalled torque seated isolation, with improved safety, reliability, and performance.

- API 6D, Shell DVT, SIL 3 Capable, Firesafe and Fugitive Emissions
- Cryogenic Process Isolation, Rocket Engine Testing
- -253°C to +350°C (-423°F to + 662°F)
- ASME, EN PN
- Flanged, Butt Welded, Socket Welded, Threaded, Hub
- ASME Class 150, 300, 600, 900, 1500, 2500, 4500. PN 10 – 760
- DN 15 - 1050 (NPS ½ - 42)

We have a complete range of spring-loaded pressure relief valves from general pressure protection to extreme conditions. Designed, certified and tested in accordance to most codes and standards around the world. With the broadest range of pilot operated pressure relief valves, we are able to solve the most demanding pressure protection challenges, providing reliable protection at low operating costs.

Crosby J-series Direct Pressure Relief Valves



Crosby™ J-Series valves provide high quality and dependable overpressure protection for air, gas, steam, vapor, liquid and two-phase applications in one simple design. Available with both bellows and balanced diaphragm (JDS-E).

- 1" D 2" to 12" W 16" 25 D 50 to 200 T 250 (EN Type)
- Orifices: 0.110 to 60.75 in² (71 to 39,193 mm²)
- ANSI Classes 150, 300, 600, 900, 1500, 2500. EN Classes PN 10, PN 16, PN 25, PN 40
- -268 to +538°C (-450 to +1000°F)
- Set pressures: JDS-E: 5 to 6000 psig, (0.35 to 413.79 barg). JLTJOS-E: 15 to 6000 psig (1.03 to 413.79 barg). JBS-E: 25 to 6000 psig (1.72 to 413.79 barg) JLTJBS-E: 25 to 6000 psig (1.72 to 413.79 barg)
- ASME Section VIII (15 psig (1.03 barg) and above)
- SME/NB certified capacities for air, water and steam

Crosby OMNITRIM Direct Pressure Relief Valves



The Crosby™ OMNI-TRIM pressure relief valve is the proven solution for overpressure protection and/or thermal relief applications on air, gas, vapor, liquid and steam. Its simple design makes it ideal for refineries, chemical and petrochemical plants, power plant auxiliary systems and pulp and paper mills.

- ½" x 1" to 2"x 2" and 1½" x 2½" (DN 15 x 25 to 50 x 50 and 40 x 65)
- Orifices: 0.074 to 0.503 in² (47.7 to 325 mm²)
- NPT, flanged, male socket weld
- -268 to +399°C (-450 to +750°F)
- Set pressure: 5 to 5000 psig (0.34 to 345 barg)
- Steam limit: 1000 psig (69 barg)
- ASME Section VIII and XIII (UV Designator) and ASME Section III (NV Designator)
- ASME/NB certified capacities for air, water and steam

Crosby H Series Direct Spring Safety Valves



Crosby™ H series are direct spring safety valves that provide comprehensive overpressure protection for ASME Boiler and Pressure Vessel Code Section I, and Section VIII steam safety applications.

- 1½" F 1½" to 6" RR 10"
- Orifices: 0.307 to 19.29 in² 1.98 to 124.45 cm²
- Flanged or welded inlet
- 610°C (1130°F)
- Set pressure: 15 to 6200 psig (1 to 427 barg)
- ASME Boiler and Pressure Vessel Code Section VIII, Section XIII (UV Designator), Section I (V Designator)
- ASME/NB certified capacities for steam



Sempell Serie S DIN/ASME High Performance Safety Relief Valve



Sempell™ serie S is a direct spring-operated safety valve with popping characteristic. With DIN or ASME flanges, alternatively with weld ends. Inlet DN25-200, PN10-500, set pressure 0,2-500 bar. With open, closed bonnet or bellows. Material depending on application. Optional with cooling spacer, balanced piston, lifting lever, position indication, adjusting ring etc. Can be supplied with supplementary loading for tightness up to set pressure.

- DN 25-200 / NPS 1-8
- PN 10-500 / Class 150-2500
- Temperature range: -200°C to 700°C (-300°F to 1300°F, -450°F to 1000°F)
- 0.2 bar-500 bar, 15-6000psi
- Orifice diameter: 14 mm-160 mm
- Body materials: 1.0619/SA216 WCB, 1.7357/SA217 WC6, 1.6220/SA352 LCC, 1.4408/SA351 CF8M. Other materials available on request
- Accessories: Cooling spacer, balanced piston, lifting lever, test gag, position indicator, reinforced bellows, adjusting ring, soft seat. Other accessories on request

Sempell Model MiniS Safety Relief Valve



Sempell™ Model MiniS is a spring-operated safety valve with flanges and threats for low pressure. Type-tested for use with steam, gases and liquids (TÜV-SV-11-972). Type-tested acc. to ASME. It is an ideal product for thermal relief or other small capacity applications in refineries, chemical and petrochemical plants, power plant auxiliary systems and pulp and paper mills as well as solar thermal power systems. The MiniS is used in various applications due to its design features like closed spring bonnet (SMC type) and balanced bellows (SMB type).

- DN 15-25 / NPS ½-1
- PN 10-40 / Class 150-300
- Temperature range: -200°C to 200°C (-300°F to 300°F)
- 0.5 bar-52 bar
- Orifice diameter: 14 mm
- Flanges and threads according to DIN, BS and ASME
- Body materials: 1.0619 / A216 WCB 1.4408 / A351 CF8M
- Accessories: Soft seat, lifting lever, test gag, reinforced bellows
- Low friction, spring compression
- Pop action

Marston Bursting Discs



A complete range of rupture disc pressure relief devices, from simple conventional designs through composite assemblies to top-of-the-range reverse buckling discs. Suitable for use in any on or offshore industry that uses a pressurized system, particularly chemical, oil and gas, pharmaceutical, plastics and rubber. Also for cryogenic systems, the food industry, electrical switchgear protection and the transportation of gases, liquids or powder.

- Metals, fluoropolymers, graphite or a combination of these
- 0.12" to 43" (3 to 1100 mm)
- Pressure range: 0.58 to 1813 psig (.04 to 125 barg) (Depending on design, size, material and temperature)
- -200° to 600°C (-328° to 1112°F)
- Special bore diameters available to meet specific constraints

Anderson Greenwood Series 90/9000 Pilot operated Pressure Relief Valves



Maximize operating pressure and minimize emissions with Anderson Greenwood™ series 90/9000 pilot operated relief valve; a high performance alternative to weight loaded relief devices. Primarily designed for protecting low pressure storage vessels, tanks and low pressure piping systems.

- 2" x 3" to 14" x 18" (DN 50 x 80 to DN 350 x 450)
- Orifices: 2.29 to 113.0 in² (14.77 to 729.03 cm²)
- -196°C to +205°C (-320°F to + 400°F)
- Set pressures: 3" wc to 150 psig (7.5 mbarg to 10.34 barg)
- Vacuum range: -2" wc to -5 psig (-5.0 mbarg to -0.345 barg)
- ASME VIII; API 2000
- ASME UV Code Stamp for set pressures above 15 psig

Anderson Greenwood Series 200/400/500/700/800 Pilot Operated Relief Valves



Premium performance and advanced technology for overpressure protection with Anderson Greenwood™ 200/400/500/700/80 pilot operated relief valves.

- 1" x 2" to 10" x 14" (DN 25 to 200)
- Orifices: 0.110 to 63.5 in² (0.710 to 409.7 cm²)
- ANSI Class 150 to 2500
- 253°C to + 315°C (-423°F to + 600°F)
- Set pressures: 15 to >6170 psig 1.03 to >425.52 barg)
- ASME VIII and XIII (UV Designator), DOT, CSA
- Soft seat design: Provides repeatable bubble-tight performance before and after each relief cycle
- Metal-to-metal seat design: Provides pilot valve performance in high temperature service

Anderson Greenwood Whessoe 4210A Safety Relief Valves



An emergency relief vent in a range of sizes and materials capable of handling pressure flows up to 188,000 cubic meters per hour. The series 4210A is suitable for venting pressure and/or vacuum service in storage tank farms, petroleum and chemical refineries.

- Aluminum, carbon steel, stainless steel
- 10" to 36" (DN 250 to 900)
- Pressure settings: 4.5 mbar to 140 mbar
- Vacuum settings: 2.5 mbar to 50 mbar
- Vacuum option available
- Choice of construction materials
- Stainless steel seats
- Standard service option, chemical service option, cryogenic service option
- API, ANSI and DIN flanges available

Anderson Greenwood Whessoe 4020A Pressure and Vacuum Relief Valves



Weight or spring loaded valves capable of providing pressure and vacuum relief that vent to atmosphere. 4020A series valves provide pressure and vacuum relief in storage tank farms, the petroleum and chemical sectors and for the protection of anaerobic waste digesters.

- 2" to 12" (DN 50-300)
- Aluminum, carbon steel, stainless steel
- Weight loaded: 2.5 to 60 mbarg
- Spring loaded: 60 to 3500 mbarg
- Weight or spring loaded models available
- Choice of body materials
- Stainless steel removable seats
- Low ambient temperature version available
- Full flange
- ANSI and DIN flanges
- Self draining body

Anderson Greenwood Whessoe 4130A Pressure and Vacuum Relief Valves



Weight or spring loaded pressure relief valves with a wide variety of material and sizing options that vent to atmosphere. The 4130A is designed to satisfy the requirements of the liquid storage industry in storage tank farms, in the petroleum and chemical sectors, in refineries and terminals.

- 2 through 12
- Aluminum, Ductile Iron, Stainless Steel, Carbon Steel
- Exceed Leakage Standard of 1 SCFH @ 90% Set Point
- Zinc Plated CS, Stainless Steel, Lead, Resin Coated Stainless Steel
- Seat and Pallet Materials: PPS, 316 Stainless Steel
- Seal and Gasket Materials: Buna-N, FEP Teflon, Viton
- Pressure Settings: 0.5 to 32 oz/sq in
- Vacuum Settings: 0.5 to 32 oz/sq in
- Options: Smart Wireless Monitoring, Special Coating, Weight Material, Hardware, Gasket Material, FRP Resins, Steam Jacket or Trace



Enardo Series 850 Pressure/Vacuum Relief Valve



The Enardo™ Series 850 is part of our line of high-performance pressure vacuum relief valves and is designed with features that exceed the performance of standard valves on the market, particularly in very cold ambient conditions and applications involving sticky materials. The Series 850 provides pressure and vacuum relief in applications that require hazardous vapors to be piped away rather than released into the atmosphere.

- 2" to 12" (DN 50-300)
- Aluminum, carbon steel, stainless steel
- Pressure settings: 2.5 mbar to 3.5 bar
- Vacuum settings: 2.5 mbar to 800 mbar
- Weight or spring loaded models available
- Removable stainless steel seats
- Low ambient temperature version available
- Full flange
- ANSI and DIN flanges
- Self draining body

Enardo Series 950 Vent-to-Atmosphere Pressure/Vacuum Relief Valve



The Enardo™ Series 950 is part of our line of high-performance pressure vacuum relief valves and is designed with features that exceed the performance of standard valves on the market, particularly in very cold ambient conditions and applications involving sticky materials. This valve provides pressure and vacuum relief for normal venting requirements while maintaining a safe internal working pressure to prevent the routine expulsion of waste gas to the atmosphere.

- 2 through 12
- Aluminum, Ductile Iron, Stainless Steel, Carbon Steel
- Exceed Leakage Standard of 1 SCFH @ 90% Set Point
- Zinc Plated CS, Stainless Steel, Lead, Resin Coated Stainless Steel
- Seat and Pallet Materials: PPS, 316 Stainless Steel
- Seal and Gasket Materials: Buna-N, FEP Teflon, Viton
- Pressure Settings: 0.5 to 32 oz/sq in
- Vacuum Settings: 0.5 to 32 oz/sq in
- Options: Smart Wireless Monitoring, Special Coating, Weight Material, Hardware, Gasket Material, FRP Resins, Steam Jacket or Trace

Enardo Series 952 High-Performance Top-Mount Vacuum Relief Valve



The Enardo™ Series 952 is an advanced design for vent-from-atmosphere applications. This high-performance valve utilizes the latest technologies to provide protection against positive overpressure, prevent air intake and evaporative loss of product, and help contain odorous and potentially hazardous vapors. The Series 952 offers features that exceed the performance of standard valves on the market, particularly in very cold ambient conditions and applications involving sticky materials.

- 2 through 12
- Aluminum, Ductile Iron, Stainless Steel, Carbon Steel
- Exceed Leakage Standard of 1 SCFH @ 90% Set Point
- Zinc Plated CS, Stainless Steel, Lead, Resin Coated Stainless Steel
- Seat and Pallet Materials: PPS, 316 Stainless Steel
- Seal and Gasket Materials: Buna-N, FEP Teflon, Viton
- Vacuum Settings: 0.5 to 32 oz/sq in
- Options: Special Coating, Weight Material, Hardware, Gasket Material, FRP Resins, Steam Jacket or Trace

Spence Type E Main Valve



The Type E Main Valve is pilot-operated normally closed, single seat design featuring packless construction, balanced metal diaphragms and protected main spring. One or more pilot regulators are mounted to Type E Main Valve to fit with the specifications defined by the pressure regulating system. For fluid, gas and vapor applications.

- Single Seat
- Balanced Metal Diaphragms
- Cast iron and Cast steel
- Side Mount, Integral Mount
- Multiple Trims for Precise Sizing
- ANSI/FCI 70-2 Class IV Shutoff
- ANSI/FCI 70-3 Class VI Shutoff available with composition disk
- Easy In-line Maintenance
- Wide Variety of Pilots for Many Applications
- Minimum Differential Pressure - 10 psi / 0.7 bar
- DN 10-300 / NPS 3/8-12

Cash Valve Type C-776 Safety Valves



A full lift ASME Section VIII air/gas and cryogenic, UV National Board certified safety valve suitable for cryogenic service. Protects piping, storage tanks and process equipment used in the distribution of industrial gases against damage caused by liquefied gas expansion. Ideal for oxygen, nitrogen, argon, carbon dioxide, helium, hydrogen and other industrial gases.

- DN 15-50 / NPS 1-2
- Pressure Reducing Regulators

Cash Valve Series FR Back Pressure Valves



Diaphragm actuated valves designed for either continuous or intermittent operation which provide accurate, repetitive pressure control. For use on practically all fluids and gases except steam, these valves are especially suited for all grades of oils, including Bunker 'C', and may be used in centrifugal, regenerative turbine, reciprocating or rotary pump bypass valve applications.

- Bronze, cast iron, stainless steel (optional)
- ½" to 2" (3.2 to 50 mm)
- Threaded NPTF
- Pressure range: 0 to 600 psig (0 to 41.4 barg)
- -195 to 316°C (320 to 600°F)
- Types FR and FR-6 fitted with a closing cap to discourage unauthorized tampering

Cash Valve Type FRM-2 Cryogenic Back Pressure or Economizer Valve



The Type FRM-2 is designed to function as a Back Pressure or Economizer valve in Cryogenic Circuits. The Back Pressure function is to open at a preset pressure and relieve inlet pressure to the discharge side into a lower pressure. The Economizer function is to open at a preset pressure, above the Pressure Build set pressure, and continue to open as gas head pressure from heat leak builds during non-use periods of the system. These valves are small and compact, yet highly efficient, making it suitable for numerous applications that call for a small, accurate back pressure regulator.

- Cryogenic liquids and gases. Well suited for use in the Economizer circuit as a heat leak economizer valve in systems having medium flows
- ¼" (6.4 mm), ½" (9.5 mm) and ¾" (13 mm)
- NPTF Connections
- Body: Brass
- Material: Brass
- -195 to 65°C (-320 to 150°F)
- Maximum Set Pressure: FRM-2: 600 psig (41.4 barg)

Kunkle Valve Bailey 746 Safety Relief Valve



A top guided, full lift safety relief valve with an unobstructed seat bore to ensure the highest possible discharge rates, with the choice of conventional or balanced bellows designs.

- Freely pivoting disc ensures correct alignment with the nozzle
- Highest possible discharge rate maximizes plant protection
- Special disc style for liquid applications enhances valve performance
- Conventional arrangement suitable for applications where built up pressure will not exceed 5%
- Conventional valve can also be used in systems with constant superimposed backpressure (up to 80%)
- Balanced bellows arrangement for applications where several safety relief valves discharge into a common discharge manifold or for variable back pressures to 40%.
- Choice of cap options



Reliable pressure control technology renowned for setting industry standards for performance and extended service life. Emerson's suite of products offers design innovation and durability even in the world's most rugged environments. Askalon offers self-operated valves - regulators - for compressed air, natural gas, steam, fuel, propane, specialty gases, water, and other process fluids.

Fisher 67C Series Instrument Supply Regulators



Fisher™ 67C Series direct operated regulators and filter regulators are typically used to provide constantly controlled, reduced pressures to pneumatic and electropneumatic controllers and other instruments. These are suitable for most air or gas applications. Other applications include providing reduced pressures to air chucks, air jets, and spray guns.

- 67C Series: Aluminum. 67CS Series Stainless Steel
- 67C & 67CS: standalone pressure regulator. 67CR & 67CSR: with soft seat internal relief. 67CF & 67CFS: with filter. 67CFR & 67CFRSR: with filter and soft seat internal relief
- ¼ NPT Body Size and End Connection Style
- Maximum Inlet Pressure (Body Rating): All models except Types 67CS and 67CSR: 250 psig / 17.2 bar. Types 67CS and 67CSR: 400 psig / 27.6 bar
- Max Emergency Outlet Pressure: 50 psi / 3.4 bar over outlet pressure setting
- Internal Pressure Registration
- NBR: -40 to 180°F / -40 to 82°C. FKM: 0 to 300°F / -18 to 149°C. Silicone (VMQ) Diaphragm and Low Temp bolting: -60 to 180°F / -51 to 82°C. Arctic/Extreme Low Temperature Construction: -76 to 140°F / -60°C to 60°C
- 67C, 67CR, 67CF and 67CFR: 1 Pound / 0.5 kg. 67CS and 67CSR: 2.5 Pounds / 1.1 kg. 67CFS and 67CFRSR: 4 Pounds / 1.8 kg

Fisher 67D Series Pressure Reducing Regulators



Fisher™ 67D series direct operated regulators and filter regulators are typically used to deliver constant reduced pressure of gaseous fluids to pilot-operated controllers and other pneumatic instrumentation.

- 67D Series: Aluminum. 67DS Series Stainless Steel
- 67D & 67DS: standalone pressure regulator. 67DR & 67DRS: with soft seat internal relief. 67DF & 67DFS: with filter. 67DFR & 67DFRSR: with filter and soft seat internal relief
- ½ NPT Body Size and End Connection Style
- Maximum Inlet Pressure (Body Rating): All Filtered Models: 250 psig / 17.2 bar. All Unfiltered Models: 400 psig / 27.6 bar
- Maximum Emergency Outlet Pressure: 150 psi / 10.3 bar over outlet pressure setting up to a maximum of 250 psi / 17.2 bar
- Internal Pressure Registration
- NBR: -40 to 180°F / -40 to 82°C. FKM: 0 to 300°F / -18 to 149°C. Silicone (VMQ) Diaphragm and Low Temp bolting: -60 to 180°F / -51 to 82°C
- 67D and 67DR: 1.2 Pound / 0.5 kg. 67DF and 67DFR: 2.0 Pounds / 0.9 kg. 67DS and 67DRS: 2.8 Pounds / 1.2 kg. 67DFS and 67DFRSR: 4.6 Pounds / 2.1 kg

Fisher MR95 Series Pressure Regulators



Fisher™ MR95 Series regulators are compact, large-capacity, direct-operated pressure regulators. Typical applications include superheated steam, steam injection, steam tracing, nitrogen purging, boiler feed water, process chemicals, cooling water, test fixtures, wash tanks, sterilizers/autoclaves, fuel lines, pneumatic supply, and many others.

- Available Low Pressure Configurations: MR95L: 2 to 30 psig / 0.14 to 2.1 bar outlet pressures
- Available High Pressure Configurations: MR95H: 5 to 150 psig / 0.35 to 10.3 bar outlet. MR95HP: 15 to 400 psig / 1.0 to 27.6 bar outlet. MR95HT: 15 to 300 psig / 1.0 to 20.7 bar outlet and up to 650°F / 343°C
- Available Pressure Differential Configurations: MR95LD: 2 to 30 psi / 0.14 to 2.1 bar differential. MR95HD: 5 to 150 psi / 0.35 to 10.3 bar. MR95HDP: 5 to 150 psi / 0.35 to 10.3 bar with max inlet of 600 psig / 41.4 bar
- Gray Cast Iron, WCC Steel, LCC Steel, Stainless Steel. Special Alloys: Monel®, Hastelloy® C, Aluminum-Bronze
- ½-inch, ¾-inch / DN 15, ¾ and 1-inch / DN 20 and 25. 1-½ and 2-inch / DN 40 and 50 (not available for Types MR95L and MR95LD)
- NPT, SWE, and Welded and Integral CL150 RF, CL300 RF, CL600 RF, and PN 16/25/40 RF; all with 14-inch face-to-face (EN flanged-356 mm face-to-face)
- Maximum Inlet Pressure: 1000 psig / 69.0 bar
- Maximum Outlet Pressure: 450 psig / 31.0 bar
- Internal or External Pressure Registration
- MR95H Series Approximate Weights: ¼ NPT body: 5 lb / 2.3 kg. ½-in / DN 15 body: 10 lb / 4.5 kg. ¾ and 1-in / DN 20 and 25 bodies: 22 lb / 10 kg. 1-½ and 2-in bodies / DN 40 and 50: 55 lb / 25 kg
- MR95L Series Approximate Weights: ¼ NPT body: 7 lb / 3.2 kg. ½-in / DN 15 body: 15 lb / 6.8 kg. ¾ and 1-in / DN 20 and 25 bodies: 35 lb / 16 kg

Fisher 627 Series Commercial / Industrial Regulators



Fisher™ 627 Series direct operated pressure reducing regulators are for low and high-pressure systems. These regulators can be used with natural gas, air or a variety of other gases. Performance characteristics vary according to construction. The 627 was validated for hydrogen service through extensive high pressure hydrogen testing to analyze sealing performance and material compatibility.

- ¼, 1, or 2: NPT end connections. NPS 1 or 2 / DN 25 or 50: CL150 RF, CL300 RF, CL600 RF flanged end connections
- Maximum Inlet Pressure: NPT Steel: 2000 psig / 138 bar. Flanged Steel: 1500 psig / 103 bar. Ductile Iron: 1000 psig / 69,0 bar
- Outlet Pressure Range: 5 to 500 psig / 0,34 to 34,5 bar in six ranges
- Pressure Registration: Type 627, 627H or 627R: Internal Type 627M, 627HM, 627BM, 627BHM, 627MR or 627BMR: External through 1/4 NPT internal control line connection in the diaphragm case
- 40° to 180°F / -40° to 82°C
- Ductile Iron or Steel Casings: 10 pounds / 5 kg. Aluminum Casings: 6.3 pounds / 3 kg

Fisher 630 Type Regulator



Fisher™ Type 630 Big Joe™ regulators are direct operated, spring-loaded, pressure reducing regulators available in NPS 1 & 2 / DN 25 & 50 body sizes designed for maximum inlet pressures to 1500 psi/103 bar and outlet pressures from 3-500 psi/0.21-34.5 bar. Type 630 can be used with natural gas, air, or a variety of other gases for such applications as first-stage farm-tap or high-pressure industrial regulators. They can be converted to a relief valve in the field.

- NPS 1 and 2 / DN 25 and 50 with an end connection of NPT, ASME CL150 RF, CL300 RF, or CL600 RF
- Maximum Inlet Pressure: 1500 psig / 103 bar
- Maximum Outlet Pressure: Up to 500 psig / 34.5 bar
- Outlet Pressure Range: 3 to 500 psig / 0.21 to 34.5 bar in 10 ranges
- Internal Pressure Registration
- Nitrile (NBR), Nylon (PA), and Neoprene (CR): -20 to 180°F / -29 to 82°C
- Fluorocarbon (FKM) and Perfluoroelastomer (PTFE): 0 to 300°F / -18 to 149°C
- 1-inch End Connection: 25 Pounds / 11.3 kg. 2-inch End Connection: 30 Pounds / 13.6 kg

Fisher 912N Series Pressure Regulators



The Fisher™ 912N Series direct operated, spring-loaded regulators are used in service and industrial applications. These regulators have limited-capacity internal relief across the diaphragm to help minimize overpressure. Any outlet pressure above the start-to-discharge point of the non-adjustable relief valve spring moves the diaphragm off the relief valve seat, allowing excess pressure to bleed vent. 912N Series regulators are built to provide accurate, sensitive control.

- Inlet: ¼ NPT. Outlet: ¼ or ½ NPT
- Maximum Inlet Pressure: 250 psig / 17,2 bar
- Maximum Allowable Outlet Pressure: Emergency Outlet Pressure: 20 psig / 1,4 bar. Recommended Outlet Pressure to Avoid Internal Parts Damage: 3 psi / 0,21 bar differential above outlet pressure setting
- Internal Pressure Registration
- -20° to 160°F / -29° to 71°C
- 1.30 Pounds / 0,6 kg

Fisher T205 Series Tank Blanketing Regulators



The Fisher™ T205 Series tank blanketing regulator is a direct operated and spring-loaded regulator. The T205 Series maintains a slightly positive pressure to prevent a stored liquid from vaporizing into the atmosphere, reduces liquid combustibility, and prevents oxidation or contamination of the product by reducing its exposure to air.

- ¼ or 1-inch / DN 20 or 25
- Maximum Allowable Inlet Pressure: Gray Cast Iron: 150 psig / 10.3 bar. WCC Carbon Steel, LCC Carbon Steel or CF8M/CF3M Stainless Steel: 200 psig / 13.8 bar
- Maximum Outlet (Casing) Pressure: Gray Cast Iron: 35 psig / 2.4 bar. WCC Carbon Steel, LCC Carbon Steel or CF8M/CF3M Stainless Steel: 75 psig / 5.2 bar
- Max Emergency Outlet Pressure to Avoid Internal Parts Damage: NBR, FKM or EPDM diaphragm: 35 psig / 2.4 bar. FEP diaphragm: 10 psig / 0.7 bar
- Standard Temperature Capabilities: NBR: -20 to 180°F / -29 to 82°C. FEP: -20 to 180°F / -29 to 82°C. EPDM: -20 to 225°F / -29 to 107°C
- High Temperature Capabilities: FKM: 40 to 300°F / 4 to 149°C. FFKM: 0 to 300°F / -18 to 149°C
- Pressure Registration: Type T205: Internal. Type T205M: External
- Spring Case Vent Connection. ¼ NPT
- Diaphragm Case Control Line Connection (Type T205M)
- 17.7 pounds / 8 kg



Fisher SR5 Sanitary Pressure Regulator



Fisher™ Type SR5 regulator is a compact, large capacity, self-operated pressure reducing regulator. It is designed for use in applications where a sanitary design is essential, such as pharmaceutical, biotech, or food and beverage industries. The unit is available in NPS 1/2 through 3 / DN 15 through 80 sizes with end connections that will match up to Tri-Clamp sanitary fittings. Type SR5 is suitable for use in steam, liquid or gas service.

- Internal Pressure Registration
- -20° to 400°F / -28° to 204°C Depending on seat and diaphragm material
- DN 15-80 / NPS ½-3
- Sanitary Tri-Clamp End Connections
- Maximum Inlet Pressure: 210 PSIG / 14.5 bar
- Maximum Outlet Pressure: 210 PSIG / 17.2 bar
- Spring Ranges: 2 to 135 PSIG / 0.14 to 9.3 bar

Fisher SR8 Sanitary Pressure Regulator



Fisher™ Type SR8 backpressure regulator is a compact, large capacity, direct operated backpressure regulator. It is designed for use in applications where a sanitary design is essential, such as pharmaceutical, biotech, or food and beverage industries. The unit is available in NPS 1/2 through 3 / DN 15 through 80 sizes with end connections that will match up to Tri-Clamp sanitary fittings. Type SR8 is suitable for use in steam, liquid or gas service.

- Internal Pressure Registration
- -20° to 400°F / -28° to 204°C Depending on seat and diaphragm material
- DN 15-80 / NPS 0,5-3
- Sanitary Tri-Clamp
- Maximum Inlet Pressure: 210 PSIG / 14.5 bar
- Maximum Outlet Pressure: 210 PSIG / 17.2 bar
- Spring Ranges: 2 to 125 PSIG / 0.14 to 8.6 bar

Cash Valve B Series Pressure Regulators



Single seated, spring loaded, direct acting diaphragm-type pressure reducing and regulating valves for a broad range of services.

- Less Than 400 F (204 C), Cryogenic
- Cast iron, bronze, carbon steel, stainless steel
- ½" to 2" (7 to 50 mm)
- Threaded NPTF
- Max inlet pressures Air or Water: 720 psig (49.6 barg)
- Max inlet pressures Steam: 400 psig (27.6 barg)
- Max inlet pressures Heavy oil or viscous fluids: 400 psig (27.6 psig)
- Max reduced pressures Air, Water or Steam: 150 psig (10.3 barg)
- Max reduced pressures Heavy oil or viscous fluids: 200 psig (13.8 barg)
- -195 to 232°C (-320 to 450°F)

Cash Valve E-55 High Capacity Pressure Regulator



Pressure regulators for water and air services designed for high capacity, variable flow rates and accurate regulation. Suitable for service on air, water, oil, gases (except steam) and fluids not corrosive to brass. It is particularly suitable for all types of water systems and various hydraulic and pneumatic systems that require exceptional accuracy.

- DN 15-50 / NPS ½-2
- Bronze
- ½" through 2" (15 mm to 50 mm)
- Threaded NPTF
- Max. inlet pressure: 400 psig (27.6 barg)
- Reduced pressure range: 25 to 300 psig (1.7 to 20.7 barg)
- 82°C (180°F)
- Optional construction for cryogenic service

Cash Valve Type G-60 Pressure Regulators



A self-contained, self-actuated high capacity all purpose regulator designed to operate within close limits. The G-60 is designed for use with steam, water, air, oil, gases, chemicals or other fluids in dryers, steam atomized oil burners, plastic molding, cookers, degreasers and sterilizers. Also available for cryogenic service.

- Iron, bronze, carbon steel, stainless steel
- ½" through 1½" (7 to 38 mm)
- Threaded NPTF
- Inlet pressure ranges Water or Air: 250 to 700 psig (17.2 to 48.3 barg)
- Inlet pressure ranges Steam: 250 to 400 psig (17.2 to 27.6 barg)
- Reduced pressure range: 1 to 250 psig (0.07 to 17.2 barg)
- -195 to 399°C (-320 to 750°F)

Cash Valve Type PBE-5 Combination Pressure Builder-Economizer



The type PBE-5 regulator is a fully automatic pressure building/economizer valve designed for cryogenic liquid systems. It is equipped with a non-adjustable/fixed set point economizer. The valve is also equipped with bullnose tube connections that incorporates a check valve to prevent backflow into the economizer. An indicating adjustment screw provides an easy field adjustment reference.

- ½"
- NPTF or Tube End Connections
- Forged brass body, bronze spring chamber; brass and stainless steel trim; bronze diaphragms; stainless steel pressure spring; graduated adjustment screw
- 65.5°C (+150°F)
- Maximum initial pressure: 650 psi (45.7 kg/cm²) (44.8 bar)
- Control Range: 0 to 600 psi (0 to 41.4 bar)

Positioners, are used to change the opening of a control valve to the desired position so that this corresponds to the parameters needed for the current process such as temperature, pressure and flow. Askalon has pneumatic, electro pneumatic and digital instruments. Fisher™ FIELDVUE™ digital valve controllers use microprocessors and have become the dominant replacement technology for conventional and electro-pneumatic positioners since the mid 1990's.

Fisher FIELDVUE DVC2000 Digital Valve Controller



The performance and simplicity of the Fisher™ FIELDVUE™ DVC2000 instrument allows for your operation to run closer to setpoint, improving product quality with more accurate control. Using FIELDVUE Performance Diagnostics, valve operation is monitored online to evaluate performance and reliability. Tests can be performed to identify problems with the entire control valve assembly using ValveLink software.

- Intrinsically Safe, Non-incendive for CSA and FM
- CSA, FM, ATEX, IECEx, CUTR, PED, UL, Peso, KOSHA, INMETRO, NEPSI, ANZEX
- HART, 4-20mA Analog
- Wired Data Interface
- Diagnostics
- Electric Input Signal
- 101 psi Max Outlet Pressure
- Integral Mounted
- Standard Temperature, High Temperature
- Throttling Control, On/Off
- Local Power Source
- Flow, Pressure, Temperature, Level
- Air, Natural Gas, Nitrogen



Fisher FIELDVUE DVC 6200 Digital Valve Controller



The Fisher™ FIELDVUE™ DVC6200 instrument allows for your operation to run closer to setpoint, improving product quality with more accurate control. Using FIELDVUE Performance Diagnostics, valve operation is monitored online to evaluate performance and reliability.

- Explosion Proof, Intrinsically Safe, FISCO, Type N, Flame Proof, Non-incendive for FM
- CSA, FM, ATEX, IECEx, CUTR, Lloyd's Register, Peso, KGS, INMETRO, NEPSI, TIIS, Natural Gas Certified, Single Seal Device
- HART, 4-20mA
- Wired Data Interface
- Diagnostics
- Electric Input Signal
- 145 psi Max Outlet Pressure
- Integral Mounted
- Standard Temperature, High Temperature
- Throttling Control, On/Off
- Local Power Source
- Flow, Pressure, Temperature, Level
- Air, Natural Gas, Nitrogen

Fisher FIELDVUE DVC7K Digital Valve Controller



The Fisher™ FIELDVUE™ DVC7K instrument provides Advice at the Device™ via flexible connectivity; easy-to-use interface; and allows you to analyze data in real-time to evaluate performance and reliability enabling your operation to run closer to setpoint, improving product quality with more accurate control.

- Intrinsically Safe, Explosion-proof, Dust-Ignition-proof, Increased Safety, Class/Div/Zone
- cCSAus (Pending), IECEx/ATEX/NEPSI (Next Up)
- HART7
- Wired Data Interface
- Diagnostics
- 4-20 mA DC, 24 VDC Input Signal
- 145 psig Max Outlet Pressure
- Integral Mounted
- Standard Temperature, Extreme Temperature
- Throttling Control, On/Off
- Flow, Pressure, Temperature, Level
- Air or Natural Gas

Fisher 3582 Electro-Pneumatic Positioner



Fisher 3582™ pneumatic valve positioners are used with diaphragm-actuated, sliding stem control valve assemblies. This pneumatic valve positioner receives a pneumatic input signal from a control device and modulates the supply pressure to the control valve actuator, providing an accurate valve stem position that is proportional to the pneumatic input signal.

- ATEX Group II Category 2 Gas and Dust, CUTR for Groups II/III Category 2 Equipment
- ATEX, CUTR, PED
- NIL
- 3-15 or 6-30 psi, 0.2-1.0 or 0.4-2.0 bar Pneumatic Signal
- Pneumatic Input Signal
- No Diagnostics
- 50 psi Max Outlet Pressure
- Actuator Mounted
- Standard Temperature, High Temperature
- Modulating
- Flow, Pressure, Temperature, Level
- Air, Natural Gas

Fisher 3582i Electro-Pneumatic Positioner



The Fisher™ 3582i is a field proven positioner which is accurate, fast-responding, and able to withstand the vibrations of most plant environments. Low steady-state air consumption contributes to efficient operation.

- Explosion Proof, Intrinsically Safe, Non-incendive, Dust
- CSA, FM, ATEX, IECEx, CUTR, Peso, KGS, INMETRO, NEPSI, RCM
- NIL
- 4-20mA Analog
- Wired Data Interface
- No Diagnostics
- Electric Input Signal
- Actuator Mounted
- Standard Temperature, High Temperature
- Modulating
- Flow, Pressure, Temperature, Level
- Air

Fisher 3661 Electro-Pneumatic Positioner



Fisher™ 3661 electro-pneumatic single-acting positioners are used with various actuators on sliding stem valves for throttling applications. These rugged positioners provide a valve position proportional to a pneumatic input or a standard millampere DC input signal received from a control device.

- Intrinsically Safe, Non-incendive, Dust
- CSA, FM, ATEX, IECEx, CUTR, Peso, KGS, INMETRO, RCM
- NIL
- 4-20mA Analog
- No Diagnostics
- Electric Input Signal
- 90 psi Max Outlet Pressure
- Actuator Mounted
- Standard Temperature
- Modulating
- Air

Fisher C1 Pneumatic Controller and Transmitter



Fisher C1 controllers and transmitters continue the tradition of durable and dependable Fisher pressure instrumentation, while addressing air/gas consumption concerns. The C1 is used wherever durable and dependable pressure instrumentation is required.

- ATEX, CUTR
- Pneumatic Input Signal
- 40 psig Max Outlet Pressure
- Remote Mount, Actuator Mount
- Standard Temperature
- On/Off, Modulating Control
- Pressure
- Air, Natural Gas

Fisher FIELDVUE DPC2K Digital Process Controller



The Fisher™ FIELDVUE™ DPC2K digital process controller is an electro-pneumatic PID controller that can replace pneumatic controllers to meet your single continuous PID loop needs. The DPC2K has been designed to provide application flexibility, through simple configuration and high speed network communications, for your next expansion or modernization project.

- 9 to 28 VDC at 1 Watt nominal Instrument Power
- CSA & cSAUs: Type 4X, IP66. ATEX & IECEx: IP66
- Communication Protocol: Ethernet: Modbus TCP, HART-IP (Common commands and Universal commands) Serial: Modbus RTU. Baud: Configured 9600 to 256,000 baud Default 115,200
- Analog Inputs (2) 4-20 mA
- Analog Output (1) 4-20 mA
- Pressure Sensor Option: Sealed Gauge. 2.1, 6.9, 20.7, 41.4, 103 bar (30, 100, 300, 600, 1500 psi) ranges available
- Pneumatic Output: Single-Acting Direct
- Low Bleed Steady State Air Consumption: At 1.4 bar (20 psig) supply pressure 0.056 normal m³/hr (2.1 scfh), average. At 5.5 bar (80 psig) supply pressure 0.184 normal m³/hr (6.9 scfh), average
- Supply Pressure: Minimum Recommended: 0.3 bar (5 psig) higher than maximum actuator requirements. Maximum: 10.0 bar (145 psig) or maximum pressure rating of the actuator, whichever is lower. Medium: Air or Natural Gas. Supply medium must be clean, dry and noncorrosive
- Connections: Supply Pressure: ¼ inch NPT internal. Output Pressure: ¼ inch NPT internal. Tubing: 3/8 inch recommended. Vent: ¼ inch NPT internal. Electrical: ½ inch NPT internal, two conduit entries



ACTUATORS

Emerson offers the largest portfolio of actuation and controls products available in the market today. We have the applications experience and customization capabilities to find the optimum solution for your valve automation needs. Here you will find reliable and efficient pneumatic actuators for fail-safe, extreme environments, and critical applications without compromising performance or safety. Our hydraulic actuators are engineered for tough environments and ESD applications.

Keystone F89 Pneumatic Quarter-Turn Actuator



Keystone™ F89 is a pneumatic quarter-turn actuator for general purpose and hazardous area applications. The F89 is designed for simple, safe use and ultimate reliability, meeting EN15714-3 requirements and has been validated to 500,000 cycles under specified conditions.

- Up to 8.3 bar supply pressure
- -40°C to 150°C
- Direct mounting to all Keystone butterfly valves and ball valves
- Anodized aluminum body with electrostatic powder coating
- Double acting and spring return versions available
- Up to 12 individual springs offer flexible torque range for both ball as butterfly valves
- Body: Extruded aluminium (ESPC coated)
- End caps: Cast aluminium (ESPC coated)

Keystone EPI 2 Electric Actuator



Keystone™ EPI2 series are compact, intelligent quarter-turn electric actuators for the accurate control of valves with torques from 35 to 2000 Nm / 308 to 17,700 lb.in. Separate terminal enclosure isolated from the electronics and motor compartment; only the wiring terminal is exposed during field installation. Latched-type output contacts for fully open/ fully close remote indication. Output contacts for monitor and blinker/local selector indication are also available.

- Standard protection IP66/68M and NEMA 4/4X/6 enclosure rating with CSA (C-US)
- Standard adjustable torque switches, from 50 to 100% of rated torque output (3 steps 50%- 75%- 100%) Manual override always engaged
- Units available for -40°F to 158°F (-40°C to 70°C)
- Voltage for 24 to 48 & 100 to 240 VDC or VAC 1 ph 50/60 hertz , 3 ph from 208-240/380-480/500-575 VAC
- Torque output up to 17,700 lbs-in (2,000 Nm)
- Permanently lubricated self-locking gear
- Explosion proof protection Ex de IIB T5 Gb- FM
- Over temperature motor thermostat

Fisher 657 and 667 Diaphragm Actuators



Fisher™ 657 and 667 actuators are designed to provide dependable on/off or throttling operation of control valves. These spring-opposed diaphragm actuators position the valve plug in the valve in response to varying controller or valve positioner pneumatic output signals. The 657 actuator is direct-acting, while the 667 is reverse-acting.

- Spring-return, Linear
- SIL capable, ATEX, CUTR, PED
- On/Off, Throttling
- Cryogenic, Low Temperature, Standard Temperature, High Temperature
- Pneumatic, Manual
- Angle Valve, Globe Valve

Fisher 2052 Spring-and-Diaphragm Rotary Actuator



The Fisher™ 2052 highly versatile and compact actuator design can assist in throttling or on/off applications. Install on any valve, even in space-limiting conditions.

- Spring-return, Quarter-turn, Rotary
- PED, CTR, ATEX, SIL capable
- On/Off, Throttling
- Pneumatic
- Ball Valve, Butterfly Valve, Eccentric Plug Valve, Triple Offset Valve
- All parts in the fail-safe mechanism (made of steel, cast iron, and ductile iron) ensure the actuator will maintain safety integrity in the event of a fire
- The nested spring design requires no bench set
- Allows linkage-less feedback, via a contact-less magnetic array

Fisher 585C Piston Actuator



Fisher™ 585C piston actuators provide low to medium thrust output for a variety of small to medium Fisher sliding-stem valves, including the easy-e™, HP, EH, and 461 valves. The double-acting design of the actuator results in stiff, precise positioning. Smaller sizes of this actuator are also available with optional bias springs for a spring return fail mode.

- Double-acting, Spring-return, Linear
- PED, CTR, ATEX
- On/Off, Throttling, Positioning
- Standard Temperature
- Pneumatic
- Angle Valve, Globe Valve
- Maximum thrusts of up to 111 kN (25,000 lbf) can be produced, depending on construction

Biffi ALGA / ALGAS / AGLAS-QA Pneumatic Actuators



Double acting and spring return pneumatic quarter turn actuators for on-off and modulating control of valves in heavy duty service. Available for output torques to 750,000 Nm. Totally enclosed, weatherproof housing in fabricated carbon steel for maximum strength. Guide bar resists transverse loads and supports the piston rod. Hard chromium plated alloy steel material guarantees corrosion protection and minimal friction.

- Design pressure (MAWP) up to 12 barg
- Air, nitrogen or sweet gas. Sour gas version available
- Output torque ALGA: Double-Acting torque up to 1000000 Nm
- Output torque ALGAS/ALGAS-QA: Spring starting torque up to 335000 Nm
- Standard range -20 to +100 °C / -4 to +210 °F
- Extended temperature -60 to +135 °C / -70 to +275 °F
- SIL 3 rated
- Enclosure standards: (IEC 60529) IP66, IP66M, IP67M
- Enclosure standards: (ANSI/NEMA 250) NEMA 4, 4X, 6
- Pressure Equipment Directive: 2014/68/EU
- Machinery Directive: 2006/42/EC

Biffi ICON 3000 Electric Actuators



ICON3000 is a series of smart multi-turn actuators featuring advanced operation, control, setting and maintenance. The ICON3000 is available in five sizes and is designed for on/off or modulating (up to 1200 start per hours) operation of valves used in heavy industrial, chemical, and petrochemical plants. Non-intrusive, user-friendly push-button panel for operation, setting, and diagnostics. Water-tight and explosion-proof PDAs available for remote control and setup. Bluetooth® wireless connectivity, advanced maintenance data and alarm reports, valve condition monitoring and contactless digital motor speed sensor.

- Water-proof: IP68 or NEMA 4, 4X and NEMA 6
- Explosion-proof: ATEX Ex-d IIB T4 (higher explosion-proof classifications available)
- Suitable for use in SIL 3 applications
- 3-phase from 208 V to 690 V at 50/60 Hz
- Single-phase from 110 V to 240 V at 50/60 Hz
- DC (Direct Current) from 24 V to 110 V
- Torque output: From 30Nm to 1,440Nm
- Speed range: From 12RPM to 173RPM at 50/60 Hz
- Ambient temperature as low as -60°C (-76°F)
- Advanced open bus communication protocols: Lonworks®, Profibus DPVO, DPV1, redundant DPV1, redundant DPV2, FOUNDATION™ Fieldbus, Modbus®, HART®



Biffi Morin B/C Low Pressure Actuators



B series- Ductile iron w/ stainless steel cylinders, C series- Ductile iron w/ carbon steel cylinders Spring return and double acting actuators Quarter-turn output torques to 158200 Nm. Ductile iron housing, piston and end caps provide long life and durable, cost-effective operation. High strength alloy steel or 17-4PH stainless output shaft transmits torque without fatigue. Strong, corrosion-resistant chrome-plated steel piston rod for enduring high cycle applications.

- 3 to 11 barg power source
- Air or any gas compatible with materials of construction
- Standard range -29°C to 99°C
- Optional range -54°C to 149°C
- 90 degrees (adjustable between 82 and 98 degrees)
- ISO 5211
- Protection IP66
- SIL3 capable
- PTFE guide bands ensure low-friction piston guidance
- Bi-directional travel stops provide accurate valve rotation adjustment
- Sintered bronze or PTFE composite output shaft bushings

Biffi Morin S Low Pressure Actuators



Stainless steel spring return and double acting pneumatic quarter-turn actuators. Output torques to 26890 Nm. For remote control of any quarter-turn application: ball, butterfly, rotary plug or damper style valves, etc. To be used in chemical process, food and beverage, iron and steel, off-shore marine, pharmaceutical, power, oil and gas, pulp and paper, and textile industries. Scotch yoke design using precision bearings eliminates dead band in the yoke mechanism, providing the greatest torque output at the beginning and end of stroke.

- 3 to 11 bar (see torque charts) supply pressure
- Air or any gas compatible with materials of construction
- Output torques up to 158,200 Nm
- Standard range -29°C to 99°C
- Optional range -54°C to 149°C
- 90 degrees (adjustable between 82 and 98 degrees)
- ISO 5211
- Protection IP66; IP68 (optional)
- SIL3 rated
- Available in symmetrical and canted yoke design to suit application
- Spring return model design requires no special tools to disarm springs safely and easily

El-O-Matic F-series Rack and Pinion Pneumatic Valve Actuator



El-O-Matic™ F-series is a compact, lightweight, low maintenance, pneumatic rack and pinion actuator built for continuous high performance in many applications. Construction with standard components so they can be assembled and delivered fast in a variety of frequently used configurations. Robust, corrosion resistance design offers an easy to install actuator which functions faithfully giving many years of dependable performance. Dual valve flange drilling patterns and an interchangeable insert drive system allows for direct mounting capability, reduces the need for maintenance.

- Control type: On/off
- Valve type: Ball, butterfly, plug, triple offset
- Durable and weatherproof
- Modular construction
- Standardized mounting interfaces offer easy valve and accessory assembly
- Air, dry or lubricated and inert gases
- Chromated and polyurethane powder coated body
- Standard temperature -20°C to +80°C (-4°F to +176°F). Optional high and low temperature
- SIL 3 rated according to IEC 61508-1-7:2010

Bettis CBB-Series Scotch Yoke Pneumatic Valve Actuator



The Bettis™ CBB-Series scotch yoke pneumatic actuator combines the strengths of the G-Series actuator and is compact, lightweight, efficient and very cost-effective. Economical jackscrew manual override is available to ensure reliable valve control in the event of the power loss. CBB symmetrical mounting pads allows field reversal of spring return actuator failure mode with no disassembly required (CW or CCW). Backed by a five-year material and workmanship warranty.

- Pneumatic power source
- Pneumatic Actuator
- Fail-Safe, Quarter-turn, Spring-Return, Double-Acting
- ATEX, PED, (CE), SIL capable, NACE, TRCU/EAC/GOST, SHELL DEP, ABS
- On/Off
- Ball, Butterfly, Plug, Triple Offset Valves, Other Quarter-Turn Devices
- Available in three different temperature trims: Standard trim is suitable for -29°C to 93°C (-20°F to +200°F). Optional high temperature trim -18°C to 177°C (-0.5°F to 350°F). Cold temperature trim -40°C to 65°C (-40°F to 150°F)
- Spring-return models in excess of 4,269 in-lbs (482 Nm), Double-acting in excess of 11,515 in-lbs (1,301 Nm)
- Operating Pressure up to 150 psig (10 Bar)

Bettis RPE-Series Pneumatic Rack and Pinion Valve Actuator



The Bettis™ RPE-series is a rack & pinion actuator, available in 12 sizes as spring return or double acting models. The actuators have a tough and reliable design and are intended to operate quarter turn valves or any other quarter turn application. The Bettis RPE-series comes with coated body and endcaps, has a special high corrosion resistant aluminum pinion design and has stainless steel fasteners, resulting in a long lasting durable actuator design.

- Pneumatic Rack and Pinion Actuator
- Pneumatic power source
- Double-acting, Spring-return, Quarter-turn actuation
- ROHS3, REACH, ATEX, PED and Machinery Directives, SIL3, IP66/67
- On/Off, Positioning, Modulating, ESD
- Ball, butterfly, plug and any other quarter turn application
- Standard temperature -20°C to +80°C (-4°F to +176°F). Optional high and low temperature
- 12 sizes: 12 to 4100 Nm (106 to 36,474 lbf.in)
- Up to 8.3 bar / 120 psi
- Stainless steel or Deltatone™ coated fasteners
- VDI/VDE 3845 (NAMUR) solenoid interface and top accessory interface

AUMA Multi-Turn Actuators SA and SAR



Actuators of the SA type range for open-close duty and positioning duty are rated for class A and B or types of duty S2- 15 min. A special version for longer running is available for the S2- 30 min duty. The modulating actuators of the SAR range are rated for class C or types of duty S4- 25 %. Special versions for S4- 50 % and S5- 25 % are also available. Actuators of type range SA/SAR can be combined with various controls from simple OPEN-CLOSE control to the micro-controlled version with logging of operating data or fieldbus interface.

- SA:**
- Torque range from 10 Nm to 32,000 Nm
 - Output speeds from 4 to 180 rpm
 - Limit and torque sensing
 - Available with 3-ph AC, 1-ph AC and DC motors
 - Handwheel for manual operation
- SAR:**
- Torque range from 15 Nm to 4,000 Nm
 - Modulating torque range from 15 Nm to 1,600 Nm
 - Max. number of starts 1,200 c/h
 - Output speeds from 4 to 90 rpm
 - Limit and torque sensing
 - Available with 3-ph AC, 1-ph AC motors
 - Handwheel for manual operation

AUMA Part-Turn Actuators SQ and SQR



Actuators of the SQ type range for open-close duty and positioning duty are rated for class A and B or types of duty S2- 15 min. The modulating actuators of the SQR range are rated for class C or types of duty S4- 25 %. Actuators of type range SQ/SQR can be combined with various controls from simple OPEN-CLOSE control to the micro-controlled version with logging of operating data or fieldbus interface. Both types have a torque range from 50 Nm to 2,400 Nm, 3-ph AC and 1-ph AC motors, and swing angles from 75° to 105°.

- SQ:**
- Operating time ranges for 90° from 4 s to 100 s
 - Limit and torque seating
 - Handwheel for manual operation
 - Mechanical Position indicator
- SQR:**
- Modulating torque from 75 Nm to 1,200 Nm
 - Max. number of starts 1,500 c/h
 - Operating time ranges for 90° from 8 s to 100 s
 - Limit and torque seating
 - Handwheel for manual operation

AUMA Multi-Turn Actuators PROFOX



One solution for butterfly, ball/plug and globe valves. Compact actuators with intelligent functions as platform concept for tailored automation solutions. Each PROFOX is equipped with a centrally located LED: The FOX-EYE. It provides clearly visible information about both actuator and valve status. The FOX-EYE display scheme can be configured by the user as required.

- Open-close duty and modulating duty
- End position setting via push buttons or AUMA Assistant App
- Torque range between 10 Nm to 100 Nm
- Output speed between 0.5 and 14 rpm
- Limit and torque sensing
- Handwheel for manual operation
- Wide range power supply unit
- Variable speed assuring premium control accuracy
- Mechanical position indication in various setting ranges (1 – 9 turns/stroke, 9 – 14 turns/stroke, 14 – 27 turns/stroke)



Auma Variable Speed Actuators SEVEN



Use of a specially developed frequency converter offers tremendous advantages. The most important features are variability in speed, resistance against voltage and frequency fluctuations, no current peaks during start-up as well as gentle operation of the valve by reducing speed in end positions. The robust design is extremely resilient against environmental influences (standard corrosivity class C5, IP67, double sealed – protection is also ensured during commissioning) and can be further enhanced as an option. The SEVEN actuator is available in three electronics variants: ECOTRON, PROFITRON and HiMod

ECOTRON:

- Torque range up to 4000 Nm / 2800 Nm (Inching/Modulating)
- Variable output speeds up to 160 rpm / 80 rpm (Inching/Modulating)
- Variants in modulating classes A (On/Off), B (Inching) and C (Modulating) according to EN 15714-2

PROFITRON:

- Torque range up to 4000 Nm / 2800 Nm (Inching/Modulating)
- Variable output speeds and complex speed functions up to 160 rpm / 80 rpm (Inching/Modulating)
- Variants in modulating classes A (On/Off), B (Inching) and C (Modulating) according to EN 15714-2
- Full graphic user interface with "Drive Controller", intuitive operation
- Many options for parameterization and process adjustment
- External USB port and Bluetooth connection standard

HiMod:

- Torque range up to 2800 Nm (continuous modulation)
- Variable output speed up to 80 rpm (continuous modulation)
- Continuous modulation class D according to EN 15714-2
- Full graphic user interface with „Drive Controller“ control button, intuitive operation
- Many options for parameterization and process adjustment, in particular for high precision control
- Utmost precision by electronic Position encoder nip
- Non-intrusive commissioning, enclosure protection remains intact for opened customer connection

Askalon many different types of instruments and accessories, several of them in our warehouse for fast delivery. Volume boosters deliver the volume needed for rapid actuator stroking when large input changes suddenly occur. A trip valve helps you maintain normal process operation in applications where a specific valve or actuator action is required. Internal valves are installed on inlets and outlets of pressure vessels and in piping systems. The product portfolio of switchboxes ensures safety, reliability, performance and service.

Fisher 167D Series Switching Valves



167D Series switching valves are used to deliver constant reduced pressure of gaseous fluids to pilot-operated controllers and other pneumatic instrumentation. Types 167D and 167DS are two-way switching valves. Types 167DA and 167DAS are three-way switching valves.

- Ports A and C: 1/4 or 1/2 NPT. Vent and Control Pressure Connections (Port D) and Port B: 1/4 NPT
- Maximum Inlet Pressure (Body Rating): 400 psig / 27,6 bar
- Standard Bolting: -20 to 180°F / -29 to 82°C. Stainless Steel Bolting: -40 to 180°F / -40 to 82°C. FKM Trim: 0 to 300°F / -18 to 149°C
- Internal Pressure Registration
- Types 167D and 167DA: 1.2 Pounds / 0,5 kg. Types 167DS and 167DAS: 2.8 Pounds / 1 kg

Fisher 377 Pressure-Sensing Trip Valve



Fisher™ 377 trip valves help you maintain normal process operation in applications where a specific valve or actuator action is required. When supply pressure falls below the trip point, the trip valve causes the actuator to fail up, lock in the last position, or fail down. When the supply pressure rises above the trip point, the 377 trip valve automatically resets, allowing the system to return to normal operation.

- ATEX, CTR
- No Diagnostics
- Pneumatic Input Signal
- 150 psig Max Outlet Pressure
- Actuator Mount
- Standard Temperature, High Temperature
- On/Off
- SIL 3 capable
- Air, Natural Gas

Fisher VBL Volume Booster



Fisher™ VBL volume booster is used in conjunction with a positioner on a throttling control valve to increase stroking speed. The booster incorporates fixed deadband, soft seat construction, and an integral bypass restriction to eliminate positioner saturation problems. The volume booster delivers high volume output for fast stroking when large, rapid input signal changes occur.

- ATEX, CTR
- No Diagnostics
- Pneumatic Input Signal
- 150 psig Max Outlet Pressure
- Actuator Mount
- Standard Temperature
- Modulating Control
- SIL 3 capable
- Air, Natural Gas

Fisher 2625 Series Volume Boosters



Fisher™ 2625 series volume boosters are used in conjunction with a positioner on a throttling control valve to increase stroking speed. The 2625NS is a nuclear service version and uses elastomeric components that better withstand high temperature and radiation environments. The 2625 and 2625SST are certified for use in Safety Instrumented System (SIS) applications. Certification is by exida® Consulting LLC, a global provider of functional safety and control system security.

- ATEX, CTR
- No Diagnostics
- Pneumatic Input Signal
- 150 psig Max Outlet Pressure
- Actuator Mount
- Standard Temperature, High Temperature
- Modulating Control
- SIL 3 capable
- Air, Natural Gas

Fisher Type C404-32 Internal Valve



Fisher™ C404-32 flanged internal valve has gained wide field acceptance for use as primary shutoff valve, excess flow valve and back check valve. The valve can be used in conjunction with or without pumps and compressors. Because of the integral back check function of this valve, selective filling of manifold storage tanks requires the use of additional shutoff valve.

- Body Sizes and End Connection Styles (inlet x outlet): Inlet: 3-inch / DN 80 CL300 RF Modified Flange (4.63-inches / 118 mm diameter bore) or 4-inch / DN 100 CL300 RF Modified Flange (5.88-inches / 149 mm diameter bore) Outlet: 3 or 4-inch / DN 80 or 100 CL300 RF
- 400 psig / 27.6 bar WOG Maximum Inlet Pressure
- Excess Flow Springs: 3-inch: 150, 200, 250, 400, or 500 GPM / 568, 757, 946, 1514, or 1893 l/min Propane. 4-inch: 340, 400, 600, 800, or 1000 GPM / 1287, 1514, 2271, 3028, or 3785 l/min Propane
- -40° to 150°F / -40° to 66°C
- 50 Pounds / 23 kg

Fisher C407-10 Series Internal Valves



Fisher™ C407-10 series are designed for both trucks and stationary tanks, C407 series internal valves can be used in vapor return lines, auxiliary liquid withdrawal lines (with Type P220-10 in-line adaptor), and as a main valve on small capacity pumping systems. This valve is standard with a WCC steel body for versatility and optional in stainless steel.

- Body Sizes and End Connection Styles (inlet x outlet): Inlet: 1-1/4-inch MNPT. Outlet: 1-1/4-inch FNPT
- 400 psig / 27.6 bar WOG Maximum Inlet Pressure
- -20° to 150°F / -29° to 66°C
- 3 Pounds / 1 kg

Fisher FIELDVUE 4400 Digital Position Transmitter



A Fisher FIELDVUE 4400 digital position transmitter senses the position of rotary or sliding-stem valves, vents, dampers, or other devices. It provides a precise non-contact feedback to indicate equipment position with a percent (%) of span plus on/off indication. The 4400 provides 4-20 mA position feedback, is SIL 2 capable, and has two 1-amp NAMUR design solid-state limit switches.

- Area Classification: Class I, Division 1 and 2, Groups A, B, C, D. Zone 1 and 2
- SIL 2 capable
- ATEX, CSA, CSAus, IECEx
- 4-20mA HART
- Wired Data Interface
- Measurement Type: Position
- Diagnostics
- Non-Mechanical, Contactless
- Loop Powered (2-Wire)

Rosemount 708 Wireless Acoustic Transmitter



Featuring ultrasonic acoustic event detection that mounts externally, the Rosemount™ 708 Wireless Acoustic Transmitter offers a fast, cost effective installation. This device allows visibility into steam traps and pressure relieve valves (PRVs) by accurately communicating acoustic level and temperature data as well as device data, event status and leak detection via the WirelessHART® network. The Steam Trap Monitor software (optional) provides real-time information about steam trap conditions, energy usage and emissions

- Acoustic Level 0-255 Counts
- -40 to 260 °C (-40 to 500 °F)
- 1 second to 60 minutes, user selectable Update Rate
- Replaceable, non-rechargeable, intrinsically safe Lithium-Thionyl Chloride Power Module pack with PBT/PC enclosure
- Engineered Polymer (PBT/PC)
- Internal antenna: Maximum of 10mW (10 dBm) EIRP
- Warranty: 12/18 months standard, 3 or 5 year optional

ASCO 551 Solenoid Spool Valve



The ASCO™ Series 551 is a line of compact solenoid spool valves that are ideal for controlling air or inert gas in challenging environments. The valves' unique design combines hard T-seals and flexible O-rings that provide bubble-tight shutoff, dirt resistance, and multi-million cycle reliability. The 551 Series comes in anodized aluminum, brass, and stainless steel bodies with ¼-inch NPT and BSP connections. It is suitable for the harsh conditions found in chemicals, refining, food & beverage applications and life science processing.

- Solenoid- Air Pilot
- Brass, Stainless Steel, Aluminum
- 1/4" Pipe / Port Size
- Port Type: G ISO228/1-G BSPP, NPTF
- 3 way- 3/2 Normally Closed, 4 way- 5/2, 4 way- 5/3- Closed Center, 4 way- 5/3- Open Center
- Flow: From 0.5 Cv to 1.0 Cv, From .43 to .86 Kv
- Voltage: 24 AC, 110 AC, 120 AC, 220 AC, 480 AC, 6 DC, 12 DC, 24 DC, 120 DC, 240 DC | 50, 60
- Max Differential / Max Operating Pressure: Vacuum to 150 PSIG
- Corrosive, Hazardous, Indoor, Outdoor
- ATEX Zone 1-21, ATEX Zone 2-22, Class I Div 1, Class II Div 1, SIL, Type 1, Type 2, Type 3, Type 3S, Type 4, Type 4X, Type 6, Type 6P, Type 7, Type 9
- -60°C to 80°C

TopWorx DXP Valve Controller



TopWorx™ DX-Series Controllers are certified for use in every world area. D-Series discrete valve controllers can survive in virtually any plant condition. Its corrosion resistance and heavy-duty construction enables superior performance in the most demanding applications. These controllers carry IECEx, ATEX, and UL certifications in a single model, making it easier for global customers to standardize operations across their facilities. D-Series controllers also carries NEPSI, KOSHA, InMetro, PESO, and EAC and EAC certifications.

- Tropicalized Aluminum Enclosure
- GO Switch Leverless Limit Switch
- FOUNDATION Fieldbus
- AS-Interface
- DeviceNet
- 4-20mA Position Transmitter
- HART Protocol
- Proximity Switches
- Mechanical Switches
- Custom builds available

TopWorx TVA Valve Controller



The TopWorx™ TVA is ideal for non-incendive applications. Modular in design, it offers competitive features and flexibility at significant cost savings. It is designed to provide maximum functionality in a compact design and offers competitive features and flexibility that saves space, time and money.

- Intrinsically safe and suitable for all environments
- Variety of Bus Networks and Sensor Options
- Perfect for Non-Incendive Applications
- Low profile compact design
- Reliability in environment extremes
- Impact resistant highly visible display
- Direct-Mount Composite Resin
- General Purpose
- Ex ia IIC T4 II2G
- Tamb -40°C to 60°C

TopWorx TXP Switchbox



The TopWorx™ TXP Switchbox delivers outstanding value by providing full functionality in a compact direct mount enclosure. Our TX-Series switchboxes deliver outstanding value by providing full functionality in compact, direct-mount enclosures. Available with a variety of position sensors, integral solenoid valves, and bus networks, the TX-Series is suitable for use in all hazardous areas and carry IECEx, ATEX, and UL certifications. The GO Switch offering in the TX- Series line offers the same reliability as existing GO Switches with improved features and benefits. The 36 GO Switch will offer the option of 2 or 4 switch configurations for the TX and TV Enclosures. Integrated solenoid valves are optional in the 2-switch configuration for even more control.

- Direct-Mount Aluminum
- Flameproof/Intrinsically Safe/Explosion Proof /Non-Incendive
- Variety of Bus Networks and Sensor Options
- Color coded twist-set cams provide the easiest adjustment
- Low profile compact design
- Impact resistant highly visible display
- Class I Division 1, Groups C & D: Class II, Groups E, F & G, Type 4X
- Class I, Division 2, Groups A, B & D: Class II, Division 2, Groups F & G, Type 4X
- Ex ia IIC T4 Tamb -50°C to 85°C IP66/67
- Ex d IIB T4 Tamb -60°C to 80°C IP66/67
- Ex d IIC T4 Tamb -60°C to 80°C IP66/67
- Ex tb IIIC T135°C Tamb -50°C to 80°C IP66/67

Aquarian 3000Mini



The Aquarian 3000Mini® is a multi-probe system with solid-state electronics in a stainless steel enclosure, capable of operating up to three two-color remote displays, customized for the number of probes and their locations. Applications for the Aquarian 3000Mini water level indicator include: boiler steam drum, feedwater heater and deaerator. Standard features include: redundant power supplies, clock fault detection of the ±5VDC circuit, three-way adjustment for water conductivity, 5A power relays for level fault, and 5A power relay contact output for electronic fault.

- NEMA 4X (IP66) stainless steel enclosure
- Solid state electronics and two-color remote display
- Three way adjustment for water conductivity
- Power source: 120 or 240 VAC, single phase, 50-60 Hz, 1/2- 1/4 A
- 5 amp contact output for electronic & level faults
- Electronic self-monitoring and indication in the D&V unit, power supply fault (redundant power supplies), clock fault (DC detection circuit)
- Swaged Style Probes Rated for 3000psi max, 649°C (1200°F) max
- 2000 & 3000psi (138 & 207bar) carbon steel water columns
- NEMA 4X (IP66) column mounted junction box factory pre-wired to probes
- ±5VDC to the probe (prevents electroplating)

Aquarian 3000 Visual Bi-Color Boiler Water Level Gauge



The Aquarian 3000 Visual Bi-Color Boiler Water Level Gauge is rated to 3000 psi (207 bar) and produces a red/green image to indicate the water level in a high-pressure steam drum. With a one-piece trapezoidal shape body, light projected through steam produces a red image. Light projected through water is refracted and produces a green image. The ASME Boiler and Pressure Vessel Code states “ported gages or reflex gages that use refraction of light to aid ready determination of the liquid level, may omit the requirement for overlapping sections.”

- Designed for 3000psi (207bar) and 369°C (696°F)
- One piece type 304/304L stainless steel body and covers provide corrosion resistance and long service life
- Belleville spring washers maintain gasket loading
- Precision tempered and ground aluminosilicate glass provides clear visibility
- Laminated and die-formed graphoil sealing gasket
- Two discs of premium V-1 quality clear ruby mica protect the glass from the steam and extend the service life
- Constructed to the ASME Boiler and Pressure Vessel Code requirements for design, materials and construction
- LEDs are immune to failure from vibration
- Average LED life is 11 years = reduced maintenance and service costs
- Display and Illuminator can be installed on either side of the gauge to provide viewing flexibility

Aquarian 4000 Magnetic Level Indicator



The FPS®Aquarian® 4000 Magnetic Level Indicator (MLI) is a new approach to level measurement. The Magnetic Level Indicator provides a totally leak-proof, non-invasive method to measure levels. This is especially advantageous when process fluids are dangerous or flammable. The isolation of the indicator from the process fluid also limits the amount of regular maintenance required for the indicator. Each float is specifically designed to function in the specific gravity (SG) of the process fluid present, providing accurate level readings.

- Designed for pressures up to 1350psi (93bar)
- Designed for temperatures up to 538°C (1000°F)
- 5 year warranty on all parts
- 1.75-inch flag width provides 300 ft. viewing distance with 140° viewing angle
- Machined flag holders provide accurate flag spacing and low flag rotation friction
- Floats constructed in type 321 stainless steel or titanium, depending on application requirements
- High strength rare earth float magnet provides reliable magnetic coupling to the flags
- High contrast bi-colored indicator flags for easy visibility
- Fully sealed and nitrogen purged flag assembly for reliability in all environmental conditions
- Specific Gravity fluids as low as 0.66
- Constructed to the ASME Boiler and Pressure Vessel Code requirements for design, materials, and construction

Resilient valves are needed for opening, closing and regulating, wherever water is controlled and regulated. Whether it is supply and disposal companies, contractors, engineers, industry or power plant operators: We supply suitable products for every branch of industry - developed individually to suit your needs or from our extensive product range from VAG.

VAG EKN H Butterfly Valve



VAG EKN® H is an energy-efficient, double-offset flanged butterfly valve (resilient-seated) suitable for the highest requirements, equipped with a patented hydro-dynamic disk, enlarged inner diameter and patented pressure compensation channels. Long service life, as the medium does not come into contact with the bearing, and due to the wear-resistant, corrosion- and infiltration-proof seat with weld overlay. Suitable for use in water distribution, water treatment, in pretreated waste water, dams, in power plants, industry and in pressure management.

- DN 150-1200
- PN 10/16/25
- O-rings: EPDM
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Valve sealing: EPDM
- Disk: Ductile iron EN-GJS-400-15 (GGG-40)
- Butterfly valve stem: Stainless steel 1.4021
- Seat: High-alloy weld overlay
- Body: Internally and externally epoxy coated acc. to GSK guidelines
- Disk: Epoxy coated according to GSK guidelines
- Tight in both flow directions acc. EN 12266

VAG Cerex 300 Butterfly Valve



The VAG CEREX® 300-W Wafer-Type and 300-L Lug-Type Butterfly Valves are resilient-seated valves with disks made of stainless steel. 300-W for flange mounting between pipelines and 300-L for flange mounting to pipelines. With replaceable liner mounted on a vulcanised seal carrier ring, and disk with triple bearing. With NBR seal for wastewater and gas or EPDM for water. DVGW tested and registered.

- DN 50-600
- PN 10/16
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Disk: Stainless steel 1.4408
- Shaft end: Stainless steel 1.4021
- NBR: Suitable for wastewater
- EPDM: Suitable for use in water treatment, water distribution, in dams, power plants and in industry.
- Body: Internally and externally epoxy coated

VAG EKO Plus Gate Valve for Water



VAG EKO®plus is a resilient-seated gate valve with bolted cover connection and face-to-face length of Basic Series 14 for water applications. Proven design with innovative improvements, such as sliding caps, guarantee low operating torques even after many years of use. Suitable for water-treatment applications, water distribution, in pressure management, in storm water retention basins, in dams, power plants and in industry.

- PN 10/16
- DN 40-600
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Stem: Stainless steel 1.4057
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with EPDM vulcanized
- Stem nut: Brass
- With triple O-ring sealing
- With flange ends on both sides
- Internally and externally epoxy coated acc. to GSK guidelines



VAG EKO Plus Gate Valve for Wastewater



VAG EKO®plus is a resilient-seated gate valve with bolted cover connection and face-to-face length of Basic Series 14 for waste-water applications. Proven design with innovative improvements, such as plastic sliding caps on the wedge, guarantee low operating torques even after many years of use. Suitable for waste-water applications and in water-treatment plants of power plants and industry.

- PN 10/16
- DN 40-600
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Stem: Stainless steel 1.4057
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with NBR vulcanized
- Stem nut: Bronze
- With triple O-ring sealing
- With flange ends on both sides
- Internally and externally epoxy coated acc. to GSK guidelines

VAG EKO Plus Gate Valve for Gas



VAG EKO®plus is a resilient-seated gate valve with bolted cover connection and face-to-face length of Basic Series 14 for gas applications. Proven design with innovative improvements, such as plastic sliding caps on the wedge, guarantee low operating torques even after many years of use. Suitable for use in gas main and service pipelines as well as pressure stations and gas storage tanks

- PN 10/16
- DN 40-600
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Stem: Stainless steel 1.4057
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with NBR vulcanized
- Stem nut: Brass
- With triple O-ring sealing
- Internally and externally epoxy coated acc. to GSK guidelines

VAG RIKO Plunger Valve



VAG RIKO® is plunger valves with either handwheel or electric actuator. Externally controlled one-piece body control valve with annular flow cross-section for the continuous regulation of high pressure differences and flow rates. Long service life as the bearings do not come into contact with the medium. Also available as own-medium controlled control valve. Suitable for use in water treatment, water distribution, in dams, power plants, industry and in pressure management.

- Control valve in straightway type
- PN 10/16/25/40
- DN 150-2200
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Piston: Stainless steel 1.4301
- Valve sealing: EPDM
- Inner parts: Stainless steel (exception: > DN 600 crank gear from EN-GJS-400-15 (GGG-40))
- Eye bolts for lifting: Galvanized steel 1.0401 (C15)
- Stem nut: Brass
- With triple O-ring sealing
- Annular flow cross section in each position
- Internally and externally epoxy coated

VAG PICO Pilot Operated Valve



VAG PICO® H is in three performances: pilot operated pressure reducing valve, pilot operated pressure sustaining valve and pilot operated level control valve. PICO H has its own medium control for the regulation of pressure and flow rates in service areas without external power supply. The threaded steel sleeves pressed into the body (CORFIX) prevent uncovered spots of the casting and corrosion in the connections of the control lines. Suitable for use in water distribution applications and in pressure management.

- PN 10/16
- DN 50-300
- Control circuit: Pilot valve body: Stainless steel 1.4404. Piping: Stainless steel A4. Rubber parts: EPDM. Filter casing: Stainless steel 1.4404. Screwed connection: Stainless steel A4
- Main valve: Body: Ductile iron EN-GJS-400-15 (GGG-40). Bonnet: Ductile iron EN-GJS-400-15 (GGG-40). Valve seal: EPDM. Control insert: Stainless steel 1.4301
- Chambered and pull-out proof profiled sealing ring
- Separate connection of control circuit and pressure gauges
- Valve controlled by its own medium
- Internally and externally epoxy coated acc. to GSK guidelines

VAG DURA Control valve



Externally controlled control valve for the regulation of the pressure and flow rate in service areas with external power supply. The control characteristic can be adapted to the operating conditions by means of a finely slotted cylinder serving as control insert. Suitable for use in water treatment, water distribution, in power plants, in industry and in pressure management. VAG DURA is also available with manual gearbox and electrical actuator.

- Control valve in globe valve design
- PN 10/16/25
- DN 50-200
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Stem: Stainless steel 1.4057
- Valve sealing: EPDM
- Compensation cylinder: Stainless steel 1.4301
- Slotted cylinder: Stainless steel 1.4301
- With triple O-ring sealing
- With flange ends on both sides
- Internally and externally epoxy coated acc. to GSK guidelines

VAG DUOJET Automatic Air Valve



VAG DUOJET® Automatic Air Valve. High-capacity, single-chamber air valve with triple function for venting and releasing air in pipelines as well as for releasing air during operation. Corrosion-proof due to stainless steel inner parts and float made of plastic. Safe and reliable operation even at high air-release velocities of up to sonic speed. Suitable for use in water treatment, water distribution, in dams, power plants and in industry.

- PN 10/16/25
- DN 50-200
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Stainless steel 1.4308
- Inner parts: Stainless steel 1.4541
- Float: Plastic polypropylene
- Sealing: EPDM
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Minimum operation pressure: 0.3 bar
- With sidewise drainage plug
- Internally and externally epoxy coated acc. to GSK guidelines

VAG DUOJET-P Automatic Air Valve



VAG DUOJET®-P Automatic Air Valve. 40% higher performance than standard air valves: High-capacity, single-chamber air valve with triple function for venting and releasing air in pipelines as well as for releasing air during operation. Corrosion-proof due to stainless steel inner parts and float made of plastic. Safe and reliable operation even at high air-release velocities of up to sonic speed. Suitable for use in water treatment, water distribution, in dams, power plants and in industry.

- PN 10/16/25
- DN 50-150
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Stainless steel 1.4308
- Inner parts: Stainless steel 1.4541
- Float: Plastic polypropylene
- Sealing: EPDM
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Minimum operation pressure: 0.3 bar
- Internally and externally epoxy coated acc. to GSK guidelines

VAG FLOWJET PE Automatic Air Valve



VAG FLOWJET® PE Automatic Polyethylene air valve for waste-water applications. With extended internal parts to protect the functional parts from soiling. The corrosion- and incrustation-free plastic body allows easy maintenance and handling due to its low weight. Suitable for use in waste-water applications, in power plants and in industry.

- PN 10/16
- DN 50-200
- Body: Polyethylene PE 100
- Bonnet: Stainless steel 1.4308
- Inner parts: Plastic (POM/PVC)
- Float: Polyethylene PE 100
- Sealing: NBR
- Cover flange and guide screws: Stainless steel
- Loose flange for flange connection: Steel with polypropylene (PP) coating
- Minimum operation pressure: 0.1 bar
- Low weight for easy handling



VAG KRV Ball Check Valve



VAG KRV® is a resilient-seated non-return valve with sinking ball and free flow passage for minimum friction loss. Especially suitable for use in polluted media as the shape of the valve prevents the build-up of dirt. Highly maintenance-friendly due to the large clean-out hole. Suitable for use in waste-water applications, in power plants and in industry.

- PN 10/16
- DN 50-200
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Internally and externally epoxy coated acc. to GSK guidelines
- With sinking ball
- No mechanically moving parts
- Low friction losses
- Prevention of back flow via ball check principle

VAG RETO-STOP Non-Return Valve



VAG RETO-STOP® is a resilient-seated, slanted-seat check valve that opens even at low differential pressures. The disk can be used on both sides, which doubles its useful life. The one-piece and completely rubber-coated disk ensures a completely free passage and reduces the adhesion of dirt particles. Suitable for both horizontal and vertical installation in water treatment plants, in water distribution, in waste-water applications, in power plants and in industry.

- PN 10/16
- DN 40-300
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Plug: Brass
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Check valve disk: Ductile iron EN-GJS-400-15 (GGG-40) encapsulated with EPDM vulcanized
- With threaded plug G 3/4"
- Internally and externally epoxy coated

VAG TOP-STOP Diaphragm Non-Return Valve



VAG TOP-STOP® Resilient-seated non-return valve with diaphragm and internal flow guide for the fast and noiseless shut-off against the return flow. Suitable for installation in any position. Due to the elastic diaphragm the valve has optimum pressure-surge damping properties. Suitable for use in water treatment applications, water distribution, in power plants and in industry

- PN 10/16
- DN 40-400
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- With flange ends on both sides acc. to EN 1092-2
- Optimum damping of pressure surges via pre-stressed, elastic diaphragm
- Internally and externally epoxy coated
- No mechanically moving parts
- Installation in any position
- With two threaded plugs for mounting a bypass

VAG ZETKA Non-Return Valve



VAG ZETKA® Non-Return Valve has a divided disk for fast shut-off of the pipeline against the return flow. Due to the special disk design, only a low opening pressure is required. Suitable for use in water-treatment applications, in water distribution, in power plants and in industry.

- PN 16
- DN 40-300
- Body: Cast iron EN-GJL-250 (GG-25)
- Check valve shaft: Stainless steel 1.4057
- Check valve disk: steel 1.0570 EPDM coated all over
- Internally and externally epoxy coated
- Installation possible between pipeline flanges to EN 1092, to ANSI B 16.5, BS 4504 and NF-E29- 222/223

VAG SKR Check valve



VAG SKR® Metallic-sealing non-return valve with slanted seat for reducing the closing time and with specially shaped disk that supports the opening movement. Also available with internal damping unit for the reduction of pressure surges. The prerequisite for trouble-free operation is a minimum flow velocity of 1.5 m/s in the customer's plant. Suitable for use in water treatment applications, water distribution, in pretreated sewage, in power plants and in industry.

- PN 10/16/25
- DN 200-1400
- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Check valve disk: Ductile iron EN-GJS-400-15 (GGG-40)
- Check valve shaft: Stainless steel 1.4021
- Shaft bearing: Zincfree bronze
- Seat: High-alloy weld overlay
- Compensation cylinder: Stainless steel 1.4301
- Slotted cylinder: Stainless steel 1.4301
- With triple O-ring sealing
- With flange ends on both sides
- Internally and externally epoxy coated acc. to GSK guidelines

VAG ZETA Knife Gate Valve



VAG ZETA® is a resilient-seated knife-gate valve in fully flanged design, sealing in both flow directions, with integrated scraper system and free flow passage. The enlarged bottom seal and the metallic limit top of the knife in the body ensure perfect tightness. Suitable for use as shut-off valve in waste-water applications, in dams, in power plants and in industry. Operation via handwheel, electric actuator or pneumatic actuator. It is also available with integrated VAG air control orifice for air regulation.

- PN 10
- DN 50-600
- Stem: DN 50-350: Stainless steel 1.4057, DN 400-600: Stainless steel 1.4021
- Stem nut: Brass
- Body parts, bearing plate and gland: Cast iron EN-GJL-250 (GG-25)
- Knife: DN 50-350: Stainless steel A4, DN 400-600: Stainless steel A2
- U-sealing and horizontal sealing: Elastomer (NBR)
- Yoke-sheet metal construction: Stainless steel A2
- Control insert (Air): Stainless steel A4
- All connecting parts: stainless steel A2 (DIN EN ISO 3506)
- Cast iron parts: Epoxy coated
- Internally and externally epoxy coated acc. to GSK guidelines

VAG ZETA Knife Gate Control Valve



Resilient-seated knife-gate valve in fully flanged design, sealing in both flow directions, with integrated scraper system and free flow passage with control orifice for precise regulation. Thanks to the integrated stainless-steel control orifice with optimised control characteristic and free bottom passage, this valve can be used as a control valve. Suitable for use in waste-water applications, in power plants and in industry.

- PN 10
- DN 100-600
- Operating kit: With handwheel
- Stem: DN 50-350: Stainless steel 1.4057, DN 400-600: Stainless steel 1.4021
- Stem nut: Brass
- Body parts, bearing plate and gland: Cast iron EN-GJL-250 (GG-25)
- Knife: DN 50-350: Stainless steel A4, DN 400-600: Stainless steel A2
- U-sealing and horizontal sealing: Elastomer (NBR)
- Yoke-sheet metal construction: Stainless steel A2
- Control insert (Air): Stainless steel A4
- All connecting parts: stainless steel A2 (DIN EN ISO 3506)
- Cast iron parts: Epoxy coated

VAG ZETA-XL Knife Gate Valve



VAG ZETA® is a resilient-seated knife-gate valve in fully flanged design, sealing in both flow directions, with integrated scraper system and free flow passage. Operation via handwheel or pneumatic actuator. The enlarged bottom seal and the metallic limit stop of the knife in the body ensure perfect tightness. Suitable for use as shut-off valve in waste-water applications, in dams, in power plants and in industry.

- PN 10
- DN 700-1400
- Body parts, bearing plate and gland: Cast iron EN-GJL-250 (GG-25)
- Knife: Stainless steel A2
- U-sealing and horizontal sealing: Elastomer (NBR)
- Yoke and sheet metal covering: Stainless steel A2
- All connecting parts: stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021
- Cast iron parts: Epoxy coated
- Minimum operation pressure: 0.1 bar
- Handwheel version with AUMA bevel gearbox GK (type A for rising stem)



Steam conditioning is the process of combining a pressure reducing valve together with a desuperheater. Desuperheaters come in models that are available for installation in pipes from DN 25 to 1500 (NPS 1 to 60) and can also be a standalone product. Properly sized it can effectively reduce the temperature of superheated steam close to saturation or to other required set temperature. Askalon helps with the selection of the optimal style of desuperheater which is much dependent on the respective application.

Sempell Model 115 Turbine Bypass Valve



Sempell™ model 115 is a high pressure turbine bypass valve that provides greater reliability and flexibility under extreme conditions. Steam turbine and boiler protection at steam turbine trip. Steam turbine bypass to cold reheat or condenser while boiler/turbine start-up and shut down. Applied in in coal fired power plants and CCGT power plant.

- DN 150 to 1500 / NPS 6 to 60
- Up to 320 bar, Up to Class 4500
- -29°C to 630°C (-20°F to 1100°F)
- Body material: 1.7383 / 1.4903 / 1.4901, SA 182-F22 /-F91 /-F92, Other materials on request
- Butt weld ends acc. To ASME B16.25 or ISO 9692-1
- Pressure seal bonnet
- Optional: Pre-warming and condensate drain Studs
- Spring-loaded packing for long term leak tightness

Fisher TBX Steam Conditioning Valve



Fisher™ TBX valves reduce both steam pressure and temperature to enable daily cycling of power plants. In addition, they protect reheater tubes, condensers, and piping against excessive pressure, temperature, and enthalpy excursions during steam turbine trips. Fisher Whisper Trim™ technology is in all TBX valves and reduces noise across all process conditions.

- Certifications: PED, CRN
- Noise Abatement, Steam Conditioning
- Linear
- High Temperature
- ASME CL150-CL2500 (Above CL2500 available upon request)
- Flanged, Butt Weld, RTJ
- Shutoff Class: Class IV (FCI 70-2), Class V (FCI 70-2)
- Valve inlet: NPS 4-24
- Valve outlet: NPS 8-60

Fisher TBX-T Desuperheater



The Fisher™ TBX-T desuperheater can be used in many applications to efficiently reduce the temperature of superheated steam to the desired set point. The TBX-T is available for installation in steam lines and are capable of maintaining steam temperatures to within 6°C (10°F) of saturation temperatures. Water atomization and vaporization are key elements in any steam conditioning application. The TBX-T design incorporates a spraywater manifold of variable geometry AF nozzles that produce an optimized spray pattern over a wide operating range. These nozzles are strategically placed to achieve optimal mixing and quick vaporization at all flowing conditions.

- Certifications: PED, CRN
- Steam Conditioning
- Material: SA105, F22, F91
- High Temperature
- ASME
- Flanged, Butt Weld, RTJ, Socket Weld
- DN 200 to 1200 / NPS 8 to 48
- CFD designed spray manifold determines water injection point and insertion depth to maximize mixing and quick vaporization

Fisher Globe Valve with Desuperheater



This can be the most economical choice for low to medium pressure applications. For smaller pipe or lower pressure applications or installations that require horizontal orientation, it is advantageous to separate the pressure reducing valve (PRV) portion from the desuperheating portion. This can be accomplished by using one of many different Fisher globe valve configurations close coupled or completely separated with a desuperheating device. The globe valve can incorporate noise abatement or diffuser technology. The separate desuperheating device can then be located wherever is convenient within the piping configuration and be either an insertion style or ring style desuperheating unit.

- Power applications: IP/HRH Turbine Bypass, LP Turbine Bypass
- Process applications: MP Steam Letdown, HP Steam Letdown, Export Steam MP Steam to Distribution, Main Steam Bypass, Turbine Bypass
- Patented Bore Seal technology provides Class V shutoff with its unique balance seal technology
- Trim can easily be interchanged while the valve remains in the pipeline
- Can be placed wherever is convenient to accomplish pressure reduction. Separate desuperheater units can be close-coupled or placed downstream at another location

Fisher DMA/AF-HTC Desuperheater



The DMA/AF-HTC is functionally equivalent to the DMA/AF, however it is structurally suited for more severe applications. The most common applications include boiler interstage attemperation, where the desuperheater is exposed to high thermal cycling and stress, high steam velocities and flow induced vibration. In addition to this specific application, the DMA/AF-HTC is suitable for other severe desuperheating application environments.

- Certifications: PED, CRN
- Steam Conditioning
- Material: SA105, F22, F91
- High Temperature
- ASME
- Flanged
- Flange Size 3 and 4
- NPS
- Nozzles can be easily removed, maintained, or replaced without having to replace the entire unit
- Uses a forged construction, optimized to move weld joints away from high stress regions

Fisher DSA Steam Conditioning Desuperheater



The Fisher™ DSA desuperheater uses high-pressure steam for rapid and complete atomization of spraywater in low velocity steam lines. This desuperheater is installed through a flanged connection on a DN 200 (NPS 8) or larger pipeline. This desuperheater is intended for applications requiring high rangeability.

- Certifications PED, CRN
- Steam Conditioning
- Material: SA105, F22, F91
- High Temperature
- ASME
- Flanged, Butt Weld, RTJ, Socket Weld
- NPS 3, 4, 6
- Can be maintained or replaced without having to replace the entire unit
- Capable of 40:1 rangeability
- Can be located wherever is convenient in the pipeline

Fisher DVI Steam Conditioning Desuperheater



The Fisher™ DVI desuperheater injects spraywater in the outlet of the venturi section, assuring excellent mixing and rapid atomization. The DVI desuperheater is easily installed between flanges in DN25 to DN600 (NPS 1 to 24) steam lines. There are no moving parts, and the water injection pattern provides rapid and thorough cooling. It is intended for applications with moderate load changes and low velocity steam.

- Certifications PED, CRN
- Steam Conditioning
- Material: SA105, F22, F91
- High Temperature
- ASME
- Flanged, Butt Weld, RTJ, Socket Weld
- NPS 1 to 24
- Can be located wherever is convenient in the pipeline
- Easily installed between flanged steam lines
- Available in sizes as small as NPS 1
- The body is constructed from forged materials with no welds present in the flow stream



Fisher Yarway AT-18/28 Heavy Duty A.T.-Temp Desuperheater



The Fisher™ Yarway™ AT-18/28 Heavy Duty A.T.-Temp Desuperheater was specifically developed for use on medium/high pressure steam applications. The fabricated construction makes it easily adaptable to meet various boiler codes and material specifications. The unit can also be used as a liquid into gas injector for which high grade alloy such as stainless steel is often used.

- Steam Condition
- Special Characterization, Modified Equal Percentage, Linear, Equal percentage
- Alloy
- High Temperature
- Shutoff Class: Class V (FCI 70-2)
- DN 25-80 / NPS 1-3
- Valve type: Angle valve
- Forged construction
- Variable nozzle type
- ASME B16.34 class 900 to 2500 EN 1092 PN 160- 400
- Pneumatic actuator available

Fisher Yarway AT-38/48 Standard Duty A.T.-Temp Desuperheater



The Fisher™ Yarway™ 38/48 Standard duty A.T.-Temp Desuperheater is specifically developed for use on medium / low pressure steam applications. The fabricated construction makes it easily adaptable to meet various boiler codes and material specifications. The unit can also be used as a liquid into gas injector for which high grade alloy such as stainless steel is often used. Piston rings are specially hardened and subsequently nitrided and are provided with a special gas tight slot.

- Steam Condition
- DN 25-100 / NPS 1-4
- ASME

Fisher 6060 WhisperTube Modal Attenuator



The Fisher™ 6060 WhisperTube is a passive reactive silencer designed for installation downstream of the control valve or other equipment contributing to system noise. Requiring negligible pressure drop across the device, the WhisperTube achieves system noise reduction across a wide range of conditions without impacting the flow capacity or process.

- DN 50-300 / NPS 2-12
- Noise abatement
- CL150, CL300, or CL600 raised-face flanges compatible with ASME B16.5
- -46 to 371°C (-50 to 700°F)
- Broadband Noise Reduction
- Maximize Flow Capacity
- Pressure boundary in accordance with ASME Boiler and Pressure Vessel Code, Section VIII, Division 2
- Compatible with Piggable Systems

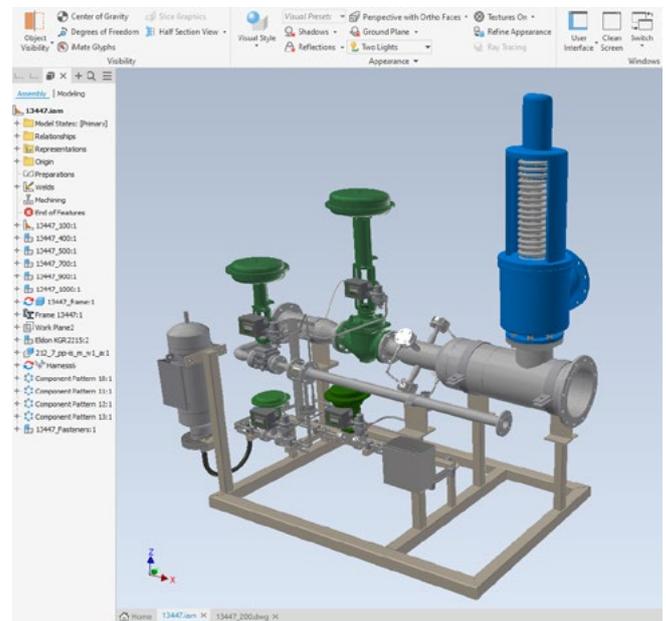
Fisher Inline Diffusers



A complete line of Fisher inline diffusers provide optimum noise attenuation where valves can contribute substantial noise. When installed, the total pressure drop of the system is divided across the valve and diffuser. This enables the valve to operate at a lower pressure drop ratio, thereby lowering the noise level generated from the process flowing through the control valve. Options include: the 6010 with integral outlet head, the 6011 pipe style, and the Whisper Disk.

- Noise Abatement
- Carbon Steel, Stainless, Alloy
- Standard Temperature, High Temperature
- Process Connection Type: 6010: Flanged, Butt Weld, Socket Weld
6011: Wafer, Flanged
Whisper Disk: Raised Face, RTJ, Flanged
- Valve Size: 6010: NPS 1 to NPS 26, Up to NPS 72
6011: NPS 2 to NPS 48
Whisper Disk: NPS 2 to NPS 36
- A properly selected diffuser-valve combination can result in up to 40 dBA noise reduction

Askalon's commitments extends beyond product delivery. Our customized solution team designs your process function or fills the gap between product delivery and installation. The added value for our customers is control. Prefabrication provides such as smooth project implementation, function pre validation, simplified time planning and cost control. The customized solution team are experts in applications and design and manufacturing according to industrial standards. The implementation is done by own resources in machining and assembly or through collaboration with external suppliers of welding, CNC manufacturing, non-destructive examination and sheet metal work.





Welcome to contact us

Head quarter

Askalon AB
Nolgårdsvägen 11
SE-663 41 Hammarö

Phone. +46 54-57 92 00
sales@askalon.se

Delivery address:

Skraggevägen 9
SE-663 41 Hammarö



Landskrona

Föreningsgatan 217
SE-261 51 Landskrona

Phone. +46 54-57 92 00
sales@askalon.se

Västervik

Traktorvägen 4
SE-593 62 Västervik

Phone. +46 54-57 92 00
sales@askalon.se



Pirkkala

Haikanvuori 5 C 13
FI-33960 Pirkkala

Phone. +358 207 416 200
sales@askalon.fi

Sipoo

Hiekkamäentie 11
FI-01150 Sipoo

Phone. +358 207 416 200
sales@askalon.fi



Søborg

Generatorvej 8 B
DK-2860 Søborg

Phone. +45 7070 1275
sales@askalon.dk