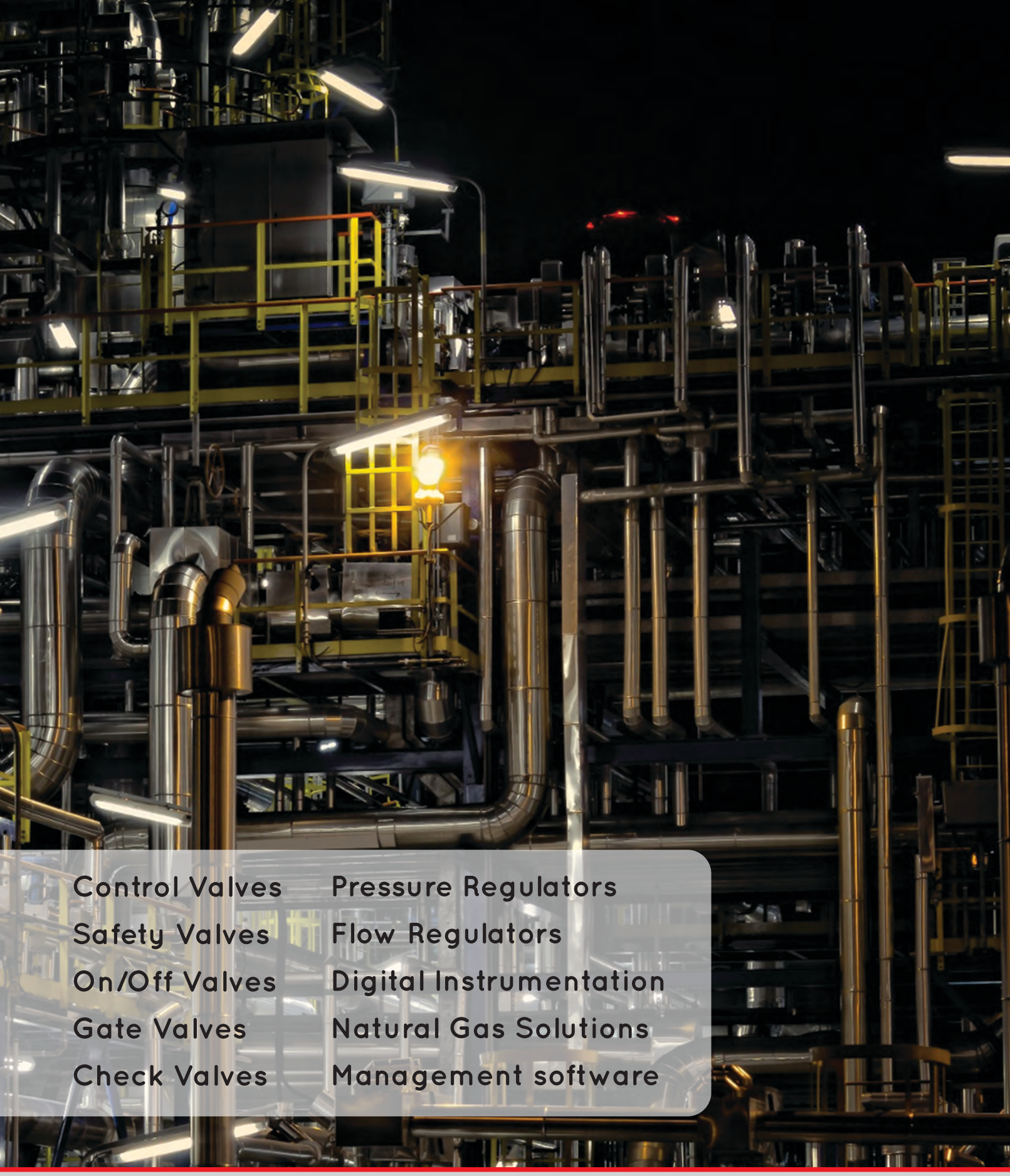


- Control Valves
- Safety Valves
- On/Off Valves
- Gate Valves
- Check Valves
- Pressure Regulators
- Flow Regulators
- Digital Instrumentation
- Natural Gas Solutions
- Management software

ATS

ADVANCED TECHNOLOGY SYSTEMS

PRODUCT CATALOG

ADVANCED TECHNOLOGY SYSTEMS

ATS

Representative of:

Masoneilan Consolidated

* Partner companies:

Becker Mooney

belven® CARRARO®

Valves - Control & Safety

GE's heritage in valve technology dates back to the late 1800s. With that heritage, an installed base of more than three million valves and well-known industry brands—Masoneilan, Consolidated, Becker and Nuovo Pignone--customers can count on our technology to protect their process assets.

We bring our valve expertise, advanced design tools and modern manufacturing technologies to applications in oil and gas, power generation, refining, petrochemical and water control industries.

To optimize valve installations, we offer valve asset management software and lifecycle supportservices.

Features & Benefits

- Full range of anti-surge and hydraulic valves, control valves, safety and safety relief valve
- Simplified design and construction facilitates maintenance procedures, and reduces time and cost
- High quality materials and rugged construction offer durable, long-term service in harsh conditions
- Wide range of configuration options enable a customized fit in many applications for reduced inventory and cost-effective valve management and maintenance
- Microprocessor-based, control valves instrumentation for simplified installation and ongoing performance management.

* We are able to offer and supply products of listed partner companies which are not in scope of production of the companies we represent.

ATS

Short Company Profile

Our company was established in 1998 and since that time we've been working in Austria, Slovenia, Croatia, Bosnia & Herzegovina, Serbia, Montenegro, FYR Macedonia, Kosovo and Albania.
We are official representative of world well known manufacturer of control and safety valves, GE Masoneilan and GE Consolidated for the areas as per enclosed map. We are specialized in supply of high technology equipment such as Process Control Valves, Safety and Safety Relief Valves for industries such as Oil & Gas, Refining and Petrochemical, Power Plants and other Process Industries.

We have daughter companies and consultants in the territories under our responsibility as could be seen above.

Engineering activities:

Technical information on the equipment and its applications. Project specification and technical assistance. Project engineering, negotiations and implementation of contracts, placing into operation and functional guarantee for supplied equipment and systems, etc.

Our trained and experienced engineers are capable to provide technical specification and calculation sheets using software tools such as ValSpeQ and to fully assist end users, project and engineering companies.

Organization of various works and supervision by installation of supplied equipment

Commercial activities:

Quoting and provisioning of commercial information such as prices, payment terms, delivery time etc. Through business cooperation with a number of companies, we are able to ensure commercial and technical services of high standards with sales of equipment of our partners i.e. supply of equipment of other manufacturers meeting customer requirements.

Supply of equipment by prominent world manufacturers and services of selection, depending on binding conditions, procurements of all required attest/certificates adjusted to national standards and accompanied by guarantees for quality and functional selection of products.

Masoneilan 10000 Series Double-Seated Control Valve

Sizes: 2" through 24" (50 through 600 mm)
The 10000 Series double-seated control valve combines excellent high pressure drop control performance along with the ability to handle dirty fluid applications. The dual port design provides a pressure balanced effect within the valve, which reduces actuator size and thrust requirements.

Masoneilan 21000 Series Top-Guided Globe Control Valve

Sizes: 3/4" through 8" (20 through 200 mm)
The 21000 Series heavy top-guided globe valve is a highly versatile, unbalanced trim design well-suited for a wide variety of process control applications including high pressure and dirty fluid applications. The unbalanced design provides reliable performance and flexibility to meet a wide range of operating requirements. There are standard options available to handle noise, cavitation, and reduced emissions.

Masoneilan 28000 Series Varipak Low Flow Control Valve

Sizes: 1" (25 mm) Standard, ½" & 3/4" (15 & 20 mm) Optional
The 28000 Series Varipak globe-style control valve provides excellent throttling control performance in micro-flow or very low capacity applications. It includes an integrated actuator design with an external flow adjustment feature providing customers with a unique flexibility to optimize their process in-situ.

Masoneilan 41005 Series Cage Guided Control Valve

Sizes: 2" through 24" (50 through 600 mm)
The 41005 Series cage-guided, heavy-duty globe valve features balanced trim configurations. This product line offers efficient and stable operation under demanding process conditions, including applications with high-pressure drops and large temperature variations. Optional features include noise attenuation trim, anti-cavitation designs, and various balance seal options to meet a wide range of pressure and temperature requirements.

Masoneilan 49000 Series V-LOG Valve

Sizes: 3" through 30" (75 through 750 mm)
The 49000 Series V-LOG high pressure drop valve features an enlarged body gallery to accommodate gas expansion and up to 36 stages of pressure reduction via a stacked disk trim design. It offers optimized severe service solutions for high-pressure drop applications with potential damaging noise or cavitating fluid conditions. Built around the V-LOG Energy Management Trim, the 49000 Series is capable of handling a wide range of both liquid and gas services in a variety of process industries.

Masoneilan 71000 Series Erosive Service Valve

Sizes: 2" x 3" through 10" x 12" (50 x 80 mm through 250 x 300 mm)
The 71000 Series is a modified sweep angle valve specifically used for severe service applications with highly erosive process fluids. The contoured body shape combined with hardened trim materials offers a solution for single or multi-phase flows with entrained solids. The 71000 Series includes a rugged top-guiding design to resist vibration associated with high-pressure letdown or multi-phase service.

Masoneilan 72000 Series Large Mass Flow Valves

Sizes: 6" x 8" through 36" x 48" (150 x 200 through 900 x 1200 mm)
The 72000 Series is a fabricated angle valve for precise capacity control while efficiently reducing noise and outlet velocities using single or multiple cages in high capacity and high-pressure letdown gas applications. The flexibility of a fabricated valve body enables custom-engineered solutions, including large differences between the inlet and outlet sizes to handle downstream gas expansion and noise attenuation.

Masoneilan 73000 Series Sweep Angle Valve

Sizes: 1" x 1" through 10" x 12" (25 x 25 mm through 250 x 300 mm)
The 73000 Series features a sweep angle configuration for throttling in the erosive applications found in gasification processes. Basic construction includes a contoured body and specialty trim materials, making it well-suited for black water handling systems used in the gasification of coal, petroleum coke, oil or other feed-stocks. It offers a high level of resistance to potentially damaging erosion effects in these types of severe applications.

Masoneilan 74000 Series Heavy Oil Process Valve

Sizes: 1" through 8" (25 through 400 mm)
The 74000 Series control valve can effectively handle the difficult services associated with heavy oil applications. Typical conditions for these types of harsh applications include high temperatures, high pressures, erosive particulates in the fluid, and multi-phase flow. The 74000 Series valve is preferred solution for process control under these combined conditions.

Masoneilan 75000 Series Tank Drain Sweep Angle Valve

Sizes: 1" x 1" through 10" x 12" (25 x 25 mm through 250 x 300 mm)
The 75000 Series is a full sweep angle valve specifically used for tank level control applications in the chemical and petrochemical industries. This control valve design is suitable for use with highly corrosive or viscous fluids and is a good solution in PTA (pure terapthalic acid) applications as well as with other volatile chemical services.

Masoneilan 77000 Series Multi-Stage High Pressure Valve

Sizes: 2" x 3" through 8" x 10" (50 x 80 through 200 x 250 mm)
The 77000 Series is a multi-stage, expanding area control valve that effectively reduces erosion, vibration, de-gassing, and high noise levels for extremely high-pressure compressible fluid or two-phase flow applications. The trim design directs the flow through a series of expanding stages for safe pressure reduction of dirty gases and flashing/multi-phase liquids.

Masoneilan 78400/18400 Series LincolnLog Valve

Sizes: 1" through 12" (25 through 300 mm)
The LincolnLog valve features an axial flow design that uses a tortuous path to distribute pressure drop along the axis of the plug to reduce cavitation.
It offers multi-stage pressure letdown control with excellent trash tolerance for a long-term solution in critical service applications. The LincolnLog is well suited for high-pressure liquid letdown applications where cavitation and dirty fluids are major concerns.

Masoneilan 79000 Series Angle Style with VRT Trim

Sizes: 1" through 12" (25 through 150 mm)
The Variable Resistance Trim (VRT) anti-cavitation solution features a brazed stack of drilled plates that channels flow through multiple turns to control cavitation. It offers a balance between cavitation protection and valve capacity in high-pressure, liquid letdown applications. It is a well-suited option for applications with custom flow characteristics and custom capacity requirements combined with severe cavitating conditions caused by high-pressure drops.

Masoneilan 80000 Series 3-Way Control Valve

Sizes: 1" through 12" (25 through 300 mm)
The 80000 Series is a three-way globe-style control valve for applications requiring either combining or diverting flow in a process control system. The open flow paths and simple construction provide a reliable and easy–to-maintain valve solution.

Masoneilan 84000 Series SteamForm Steam Conditioning

Trim Sizes:
3" through 24" (80 through 600 mm)
The Masoneilan line of steam conditioning valves offers a wide range of features, including low noise trim and a patented water injection system, for applications that require both pressure and temperature reduction in an integrated package. The SteamForm product line combines more than 125 years of pressure control expertise with the latest in desuperheating technology to offer a highly efficient steam conditioning solution.

Masoneilan 31000 Series Rotary Control Valve

Sizes: 1" through 3" (25 through 80 mm)
The 31000 Series valve features a PFA-lined assembly offering corrosion resistance for corrosive fluid applications at a lower cost compared to high alloy options. It also includes an eccentric rotary plug design that offers tight shut-off at a high 100:1 turndown ratio and low dynamic forces for excellent throttling control.

Masoneilan 35002 Series Camflex Rotary Control Valve

Sizes: 1" through 16" (25 through 400 mm)
One of the first "universal" control valves, the 35002 Series Camflex valve features a low-friction eccentric plug design. It offers precise throttling control within an extremely compact assembly. Its standard design includes an integral bonnet, a direct-mounted actuator and fully enclosed positioner linkage. It is the original rotary globe valve and is a superior choice when tight shut-off and product flexibility is required.

Masoneilan 36005 V-Max High Capacity Control Ball Valve

Sizes: 1" through 12" (25 through 300 mm)
The 36005 Series V-Max heavy-duty valve is an automated throttling control ball valve with a patented dual-characterized segmented ball design combining high Cv ratings with a 500:1 turndown. The V-Max is a low-friction ball valve that includes a low torque seal and splined shaft for precise throttling control. Characterized by a V-shape, the ball valve offers high capacities and a versatile range.

Masoneilan 37002 Series Minitork II Butterfly Control Valve

Sizes: 2" through 12" (50 through 600 mm)
The butterfly valves combine the tight shut-off characteristics of an elastomeric lined valve with moderate throttling control accuracy. They include resilient seat and high capacity functionality for economical control in low pressure throttling applications where tight shut-off is required. They are available in both lined and unlined configurations. The standard butterfly valve design is the 37002 Series MiniTork II supplied with the Model 33 spring-diaphragm actuator.

Masoneilan 33000 Series Triple Offset Butterfly Valve

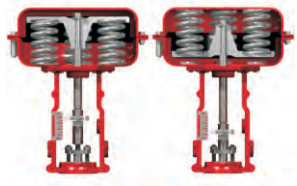
Sizes: 2" through 24" (50 through 600 mm)
GE's Masoneilan 33000 Series Triple Offset Butterfly Valve incorporates new performance enhancing operational features, allowing for a more simplified manufacturing process. The result is exclusive patented range of superior performance zero leakage bi-directional triple offset butterfly valves, suitable for extreme pressure/temperature applications.

Masoneilan Pneumatic Piston Actuators

GE Oil & Gas offers a range of pneumatic piston-type actuators for use with globe and linear stem motion control valves. Piston actuators typically provide longer strokes and higher thrusts compared to spring-diaphragm designs, including Masoneilan Model 67/68, Model 84/85/86, and Model 51.

Masoneilan Type 37/38 Pneumatic Spring Diaphragm Actuator

Sizes: No. 18 and 24
The Masoneilan Type 37/38 pneumatic spring diaphragm actuator is a high thrust actuator for use with reciprocating or linear stem-motion control valves. It provides long stroke capability with optional construction to meet fail-safe action required by customers.



Masoneilan Type 87/88 Pneumatic Multi-Spring Actuators

Sizes: No. 6, 10, 16 and 23
The Masoneilan 87/88 is a compact pneumatic actuator design for use with globe-style control valves. The multi-spring diaphragm construction provides a flexible solution, providing reliable low friction dynamic performance and ease of operation and maintenance.

Masoneilan 10900 Series Pressure Regulator-Actuator

Powered directly by the process, the 10900 actuator is used with the Masoneilan 500 series regulators to provide accurate pressure regulation without the need for external energy or controls. Different diaphragm material options meet various temperature and fluid compatibility requirements. The 10900 Series actuators are available as spring-opposed assemblies or as differential pressure powered devices.

Masoneilan 500 Series High Capacity Regulators

Sizes: 1/2" through 4" (15 through 100 mm) (525/526 Series), 3/4" through 2" (15 through 50 mm) (535H Series)
The 500 Series regulator can be used for pressure reduction, back-pressure control, and differential pressure applications for a wide range of process fluids. The 500 Series is available in several different configurations to meet various capacity, pressure, temperature, and seat leakage requirements. Together with the 10900 Series actuators, the 500 Series regulators offer precise regulation and control.

Masoneilan 170 Series Regulators

Sizes: 1/4" (6 mm)
The 170 Series is a small, cast iron regulator for pressure reducing or back pressure (relief) control. It is self-contained for simple installation and its single-seat construction features metal or soft seats for tight shut-off.

Masoneilan 171-172 Series Pressure Reducing Regulators

Sizes: 1/2" through 2" (15 through 50 mm)
The 171-172 Series regulators are a line of heavy duty self-contained pressure reducing regulators with the flexibility to handle demanding applications including high temperature and pressure. They offer accurate reduced pressures of air, liquid and saturated steam and a wide range of customization for difficult applications.

Masoneilan 173 Series Back Pressure Regulators

Sizes: 1/2"through 2" (15 through 50 mm)
The 173 Series regulators are a line of heavy duty self-contained pressure back pressure (pressure relief) regulators with the flexibility to handle demanding applications including high temperature and pressure. They offer accurate pressure regulation of air, liquid and saturated steam and a wide range of customization for difficult applications.

Masoneilan 174 Series Pressure Regulator

Sizes: ½"through 1-1/2" (15 through 40 mm)
The 174 Series is a pressure regulator designed specifically for accurate low-pressure regulation of air or gas services. Soft-seat construction and a lever actuator help ensure consistent tight shut-off. Additionally, a large diaphragm area provides highly sensitive modulation at low-pressure settings.

Masoneilan 8012/8013 Electro-pneumatic Valve Positioner

The Model 8012 and 8013 instruments are fully integrated electro-pneumatic control valve positioners providing excellent dynamic response and positioning accuracy.
These positioners include a multi-lobe cam design. This configuration offers inherent flexibility enabling various flow characteristics and split-ranging capabilities for sequential operation of multiple control valves using a single controller. They can be used on both reciprocating and rotary motion control valves.

Masoneilan Model 4700P / 4700E Analog Valve Positioner

The Model 4700 control valve positioners offer flexibility and consistency with modular design construction and corrosion resistant packaging. They can be configured either as a standard pneumatic valve positioner or as an electro-pneumatic device by simply assembling the separate I/P transducer module to the base pneumatic valve positioner. These instruments are for either reciprocating or rotary type valves, and are available in optional configurations for hazardous area applications.

Masoneilan Svi1000 Digital Positioner

The SVi1000 is a user-friendly 4-20mA digital valve positioner with HART® Protocol for single-acting pneumatic control valves with proven magnetic position measuring technology.
The SVi1000 is a compact, industrial, high performance digital valve positioner that is economical and easy to commission. The SVI1000 communicates using the HART protocol. A built in local LED panel with pushbutton enables local calibration while remote operations can be performed.

Masoneilan SVI II AP Performance Digital Positioner

The SVI II AP is an intelligent digital valve positioner. It features advanced control technology for pneumatically actuated valves with a non-contact Hall Effect sensor that offers high precision, ease of use, and dependable predictive and preventive maintenance. The SVI II AP meets IEC 61508 SIL 2 requirements. Plus, "Intrinsically Safe, Flame-proof and Explosion-proof" designs are offered as standard. The SVI II AP positioner is interoperable with leading control systems suppliers.

Masoneilan SVI II ESD Emergency Shutdown Device

The SVI II ESD can capture shutdown events, allow continuous HART communications during a trip, and facilitate local panel annunciation using the built-in discrete outputs. The SVI II ESD automatically captures the partial stroke test (PST) in its non-volatile memory and stores the analysis. Two signatures can be stored, allowing the ValVue ESD Lookout stand-alone or integrated software to automatically and regularly synchronize its database with field data.

Masoneilan SVI FF Digital Valve Positioner

GE Oil & Gas' SVI FF is an Advanced Performance positioner with FOUNDATION™ fieldbus protocol, for single and double-acting pneumatic control valves. Its universal and modular design with a proven non-contact position sensor fits many applications, offering high performance valve control with real-time diagnostics.

Masoneilan Model 4411 Electro-pneumatic Transducer

The Model 4411 electro-pneumatic transducer is a proportional pneumatic to current signal converter employing advanced closed loop, solid-state technology for precision and high-resolution control performance. Typically used along with standard pneumatic control valve positioners, the 4411 can be directly mounted on the valve or mounted separately away from the valve, for example, on a pipe stand. This device is available with various hazardous area certifications for use in explosion-proof and intrinsically safe operating environments.

Masoneilan 496 Series Limit Switches & Position Transmitter

The 496 Series switches and position transmitters:

- Are configurable as electro-mechanical switches, proximity switches, or opto-electronic position transmitters.
- Indicate predetermined stroke positions for control valves.
- Offer high resistance to vibration and electrical interference for excellent valve mounted performance.
- Approved for use with various hazardous area ratings including ATEX, FM and CSA.

Masoneilan Model 77/78 Air Filters/Air Regulator Sets

GE offers a variety of air filter regulating devices, including the Masoneilan Model 78 Air Filter Regulator for controlling the supply of process plant air to control valve accessories.

- Maximum inlet pressure of 210 psi (15 bar)
- Regulated set pressure range of 5 psi to 100 psi (0.35-7 bar)
- Externally adjustable for fine-tuning
- Include a locking feature to ensure output pressure remains at the desired levels.

Masoneilan Model BR200/BR400 Booster Relays

BR200 and BR400 pneumatic booster relays offer high capacity air volume boost for fast and consistent dynamic control-valve system response. These devices offer a 1:1 input to output ratio with a maximum supply and signal pressure of 150 psi (10.3 bar). Relays also include an integrated internal bypass valve for sensitivity adjustment and dynamic response optimization. Integrated filters in both the supply and signal ports feature stainless steel components and corrosion resistant finishes for a durable assembly.

Masoneilan ValVue Suite Standalone or Integrated Software

ValVue HART or ValVueFF
ValVue HART and ValVueFF are powerful and user-friendly interfaces designed for set-up and diagnostics of control valves with an SVI, SVI II, SVI II AP, FVP or 12300 / 12400 digital level instruments. ValVue enhances the diagnostics capabilities of your control valves and improves asset efficiency when setting up a digital valve positioner or level transmitter.
It offers electronic documentation of configuration and calibration results as well as valve signature analysis.

ValVue OVD
ValVue OVD is a software based technology for monitoring and diagnosing the performance of any control valve during normal process operations.
This solution for final control elements improves plant integrity, plant efficiencies and plant uptime resulting in reduced operational expenditures and increased plant profitability.

ValVue ESD
ValVue ESD is an advanced software that can set-up the SVI II ESD product on any emergency shutdown valves and perform partial stroke tests. ValVue ESD is also capable of running various tests to measure the health of an ESD valve as well as graphically displaying the various types of signatures. Plus, its database engine supports historical results archiving and viewing.

Masoneilan 12400 Series Digital Level Transmitter

The 12400 Series Instrument is a 2-wire loop powered digital displacement type level Transmitter or Controller with HART Communication. This high performance instrument is easily set-up and calibrated by use of either ValVue communication software, EDDL, DTM a hand-held communicator or local pushbuttons and digital display. This versatility allows the operator to configure, calibrate, and perform other functions either at the instrument or from the control room.

Masoneilan12800 Series Pneumatic Level Transmitter/Controller

The 12800 Series pneumatic level controllers are used to control and/or transmit the level in a tank with one or two fluids (interface service).
The 12800 Series operates according to liquid displacement and torque tube principles.

Consolidated Type 1511 Steam Safety Valve

Inlet Sizes: 1 1/2" through 6"
Outlet Sizes: 2 1/2" through 4"
The Consolidated Type 1511 safety valves are designed for low pressure steam heating boilers, steam generators and air applications. This valve is ASME Section I and VIII approved.

Consolidated Type 1541/1543 Steam Safety Valve

Inlet Sizes: 1/2" through 2 1/2"
Outlet Sizes: 3/4" through 2 1/2"
Suitable for steam and other compressible fluid applications, the Consolidated Type 1541 and 1543 safety valves are ASME Section I and VIII approved. They are most commonly used in pharmaceutical, dying and process plants.

Consolidated 1700 Maxiflow Steam Safety Valve

Inlet Sizes: 1 1/2" through 6"
Outlet Sizes: 3" through 10" flanged
Maxiflow high pressure safety valves are premium products that are installed on many power generating stations worldwide to help protect boilers from overpressure conditions. With a proven design, the Consolidated Type 1700 Maxiflow* safety valve has been providing seat tightness and blowdown performance for more than 50 years.

Consolidated Type 1811 Steam Safety Valve

Inlet Sizes: 1 1/4" through 6"
Outlet Sizes: 1 1/2" through 8"
The Consolidated Type 1811 is a cost effective, high capacity flanged steel safety valve that offers seat tightness and high performance making it a solution well-suited for steam service applications.

Consolidated 1900 Universal Media Safety Relief Valve

Inlet Sizes: 1" through 12"
Outlet Sizes: 2" through 16"
The first valve of its size capable of handling liquid and gas interchangeably without adjustments while remaining stable, the Type 1900 Universal Media safety relief valve offers an innovative solution for multi-phase process applications. It is configured for performance and smooth operation while offering the economical flexibility of one valve for both liquid and vapor.

Consolidated Type 1900/P Process Safety Relief Valve

Inlet Sizes: 1" (25.4 mm) through 8" (203.2 mm)
Outlet Sizes: 2" (50.8 mm) through 10" (254 mm)
The Consolidated 1900/P steam internal series valve is configured for economizer and organic vapor service. It offers smooth performance with seat tightness even in difficult applications while providing low cost of valve ownership.

Consolidated 19000 Series Process Safety Relief Valve

Inlet Sizes: 1/2" to 2"
Outlet Sizes: 1" through 2 1/2"
The 19000 Series valve provides quality performance in seat tightness, capacity, and blowdown on most media. It surpasses ASME code requirements and is CE compliant to European PED specifications in functional performance and overpressure protection.

Consolidated 1982 Conventional Process Safety Relief Valve

Inlet Sizes: 1/2" through 2"
Outlet Sizes: 3/4" through 2 1/2"
The Type 1982 conventional process safety relief valve provides seat tightness and blowdown performance for vapor, liquid and steam applications. It is well-suited for applications requiring high relief capacity from a small valve.

Consolidated Type 2478 Pressure Relief Valve

Inlet Sizes: 1/2" through 2 1/2"
Outlet Sizes: 3/4" through 2 1/2"
The Consolidated Type 2478 pressure relief valve is a completely enclosed bronze valve for non-corrosive, thermal relief, liquid service applications.

Consolidated Type 2700 Steam Safety Valve

Inlet Sizes: 1 1/2" through 6"
Outlet Sizes: 3" through 8"
ASME Section I and VIII approved, the Consolidated Type 2700 steam safety valve is configured to meet the specific requirements of the co-generation and waste-to-energy segments.

Consolidated 2900 Pilot-Operated Safety Relief Valve

Inlet Sizes: 1" through 12"
Outlet Sizes: 2" through 16"
The Type 2900 modular pilot-operated safety relief valve (MPV) combines the full nozzle construction of the Type 1900 main valve design with the extremely versatile pilot valve options from the 3900 MPV design. Typically provided with a metal-to-metal seat, this pilot-operated safety relief valve can be used over a broad temperature range.

Consolidated 2900-40 Pilot Operated Safety Relief Valve

Inlet Sizes: 1" through 6"
Outlet Sizes: 2" through 8"
The 2900-40 pilot operated safety relief valve is suitable for demanding economizer and boiler protection applications. It delivers excellent valve performance in high temperature, high pressure scenarios. The 2900-40 offers increased throughput, reduced steam loss, and cost-effective installation and maintenance. It also incorporates versatile weight and size characteristics so it fits into a wide range of environments.

Consolidated 3700 Nuclear Valve

Inlet Sizes: 2 1/2"through 10"
Outlet Sizes: 6"through 12"
The Type 3700 spring-loaded safety valve is ASME Code Section III certified and NV stamped for Class 1 and Class 2 services. It is suitable for use in nuclear main steam sections and is also available with an optional pneumatic actuator for auxiliary control. This valve finds application in PWR, BWR, and PHWR plant designs.

Consolidated 3900 Pilot-Operated Safety Relief Valve

Inlet Sizes: 1" through 10"
Outlet Sizes: 2" through 10"
The Type 3900 features a separate, non-flowing pilot sub-assembly design making it well-suitable for use with both compressible and incompressible fluids. Optional pilot valve constructions offer either pop action or modulating action functionality to meet various pressure range, seat tightness, and blowdown requirements. Highly versatile, this valve technology offers ease of maintenance, high reliability, flexibility and performance.

Consolidated 4900 Pilot-Operated Safety Relief Valve

Inlet Sizes: 1" to 8" flanged
Outlet Sizes: 2" through 10" flanged
The Type 4900 MPV features innovative, pilot-operated safety relief design that incorporates internal passages between the main valve and pilot valve sub-assemblies. This tubeless assembly provides inherent advantages by reducing potential damage to external tubing. It also helps to reduce overall assembly, disassembly, and maintenance complexity.

Consolidated 13900 Pilot-Operated Safety Relief Valve

Sizes range from 16 inch to 20 inch inlets with corresponding outlet sizes of 18 inches to 24 inches.
The Type 13900 Series pilot-operated safety relief valve combines high capacity with simple construction, designed to ASME section VIII. It consists of a small conventional, fail-safe pilot valve and a high capacity main valve platform. The main valve can be configured with orifice sizes up to 200 square inches to help reduce the number of valves required for system overpressure protection.

Consolidated Type 3500 Electromatic Ball Valve

Inlet Sizes: 1 1/2", 2" and 2 1/2"
Outlet Sizes: 3" and 4"
The Consolidated Series 3500 Electromatic Ball Valve (EBV) is designed to provide automatic or manual overpressure protection for steam boilers, and can also be used to assist start-up and shut-down venting. The EBV offers increased boiler efficiency. It is configured for dependable service in superheated and saturated steam applications.

Becker T-Ball Anti-Surge Valve

The anti-surge control valve is a key valve in the centrifugal compressor system. It provides accurate control, wide flow rangeability, and quick action.
Becker Anti Surge Valves offer rugged and reliable protection of the centrifugal compressor.

Becker Globe Pattern Control Valve

Sizes: 1"-12"
Becker globe valves are designed for versatility. The cage-guided concept in these natural gas control valves use multi-interchangeable trim styles, eliminating the need to change body styles. The Becker globe valve is available with balanced or unbalanced trim for natural gas pressure and flow control-regulating applications.

Becker Rotary Control Valves

The V-0 rotary control valve is a superior high capacity valve for mild duty pressure and flow regulation, and on/off service in natural gas piping systems. The Becker T-Ball control valve is suitable for applications requiring low noise, precise control and high volumes while suppressing cavitation and erosion. The Becker anti-surge valve is rugged, reliable and key to the protection of the centrifugal compressor.

Becker Emergency Shutdown Valve

Safety within natural gas transmission and distribution systems is key to maintaining reliable operation. The Becker Emergency Shutdown Valve (ESDV) from GE Oil & Gas offers customers a protection for equipment, the environment and employees during dangerous system upsets.

Becker Pneumatic Valve Actuators

Becker valve actuators are designed for heavy-duty control applications that require high performance. The RPDA and RPSR Series include a crank-arm mechanism specifically designed for the rigors of throttling control valve applications. The SYDA and SYSR Series use a scotch-yoke design with high torque output at the ends of travel. Both designs are offered in a double-acting or spring-return setup. The LPDA and LPSR can accept high pressure power supply gas, enabling the use of smaller actuators.

Becker Digital Natural Gas Positioner (DNGP)

The DNGP Series is used with pneumatically actuated natural gas control valves to provide an accurate valve stem position signal that is proportional to the electronic command input signal received from an electronic controller. The DNGP is compatible with all Becker actuators and may be retrofit to other manufacturer's control valve packages as well. The DNGP eliminates the need for an I/P transducer and features zero bleed consumption at steady state.

Becker High Pressure Pneumatic Valve Positioners

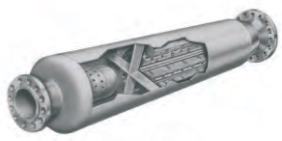
Becker Valve Positioners provide accurate valve positioning when used with a double-acting piston and single acting (spring and piston style) actuated control valves. These positioners accept a pneumatic instrument signal and position the double acting and single-acting actuator proportionally. Becker Positioners are available in both reverse acting and direct acting configurations with a variety of different input signal ranges.

Becker Valve Regulator Pilots

Becker double acting Valve Regulator Pilots (VRP) provide low-bleed pressure control when combined with double-acting pneumatic control valve actuators. VRP single acting pilots provide ZERO BLEED™ steady state bleed pressure control when used with single-acting actuators.

Becker Control Valve Diffuser

Max. Noise Attenuation - 15 dBA
The Control Valve Diffuser (CVD) diffuser is a noise attenuating device that is installed immediately downstream of any regulator to provide noise reduction of up to 15 dBA. The CVD is available in a variety of configurations and designs to accommodate any natural gas regulation facility.



Becker Control Valve Silencer (CVS)

Maximum Noise Attenuation - 50 dBA
The CVS is a noise attenuating device that is installed immediately downstream of any regulator to provide noise reduction of up to 50 dBA. The CVS is available in a variety of configurations and designs to accommodate almost any natural gas regulation facility.

Becker Acoustical Noise Jacket (ANJ)

Acoustical Noise Jackets (ANJ) provides noise attenuation in the range of 9-12 dBA when applied to "high noise applications" where un-attenuated noise exceeds 95 dBA. The ANJ offers a cost effective solution for noise attenuation and may be applied during initial design, or retrofit to existing installations. The ANJ features a rugged, modular design custom-fit to each piping configuration. The custom-fit design helps ensure high efficiency of noise attenuation and easy removal and reinstallation during maintenance.

Mooney Flowgrid Regulator

Sizes: 1"- 12"
The Mooney Flowgrid regulator is an easy-to-maintain top-entry flexible-element regulator used in pressure and flow control applications.

Mooney AC Port Flowgrid Regulator

Size: 2"
The Mooney AC Port Flowgrid Regulator combines a 2" body with a 3" port producing a strong piping installation with low regulator outlet velocity. It is well suited for skid mounted, vault and enclosure installations.

Mooney FlowMax Regulator

Sizes: 1"- 6"
The Mooney FlowMax regulator is a pressure reducing regulator that offers bubble tight shut-off at all pressure differentials and full capacity at very low differential pressures.
It complements the Mooney Flowgrid regulator. The Mooney FlowMax regulator offers enhanced capacity, speed of response and accuracy while incorporating many of the same original maintenance and performance features for which the Mooney Flowgrid regulator is known.

Mooney FlowTap Regulator

Sizes: 3/4"- 1"
Mooney FlowTap regulators represent a technical innovation that features more usable capacity and improved shut-off when compared to Farm Tap regulators. An economical and easy to maintain self-operated pressure regulator, FlowTap regulators offer full capacity relief and can control pressure of natural gas, air and other gases for set points up to 250 psi and flow rates up to 58000schf.

Mooney Series 20 Flowgrid pilot

The Series 20 Flowgrid pilot is a reversible pressure-control regulator designed primarily for use as a control pilot with unloading-type pilot systems for pressure-reducing (PRV), back pressure (BPV or Relief), and differential-pressure (DPV) applications. The Series 20 pilot is designed for both gas and liquid applications.

Mooney Series 20L Flowgrid pilot

The Series 20L Pilot is a pressure control regulator designed primarily for use as a control pilot for pressure reducing (PRV) and differential pressure (DPV) applications. The Series 20L Pilot is designed for both liquid and gas applications. The pilot is available in both bronze (Series 20L-B) and aluminum (Series 20L-A).

Mooney Specialty Regulators

Range: 3"-30" (Inlet), 6"-36" (Outlet)
Mooney specialty regulators are known for their high quality and reliable performance. For over 65 years, the Mooney specialty regulator has been used in a wide range of industries and applications.

CARRARO DS VARIflow Variable Area Desuperheater

Special device for the steam temperature control and reduction thanks to the injection of perfectly atomized water through a variable injection area. Possibility of purchasing the "bar shaft" version (without actuator) which allows the installation of the actuator chosen by the client.

CARRARO DY VARIspray Fixed Nozzle Desuperheater

Special device for the steam temperature control and reduction thanks to the injection of perfectly atomized water through a fixed injection area which flow is managed by an upstream installed control valve..

CARRARO DF VARIfix Fixed Nozzle Desuperheater

Special device for the steam temperature control and reduction thanks to the injection of perfectly atomized water through a fixed injection area which flow is managed by an upstream installed control valve.

CARRARO DM VARIspring Variable Area Spring-Assisted Desuperheater

Special device for the steam temperature control and reduction thanks to the injection of perfectly atomized water through a variable injection area which is determined by a special spring loaded nozzle and which flow is managed by an upstream installed control valve.

CARRARO AT Direct Operated Temperature Control Valve

Direct operated valve for temperature control through a sensitive element which is filled out with gas, in equilibrium with its own vapour tension.

CARRARO EX Wafer Knife Gate Valve With Pneumatic Actuator D/E

Due to its reliability feature, the "EX" -series uni-directional knife gate valve could be considered as a universal valve and be used in several applications such as paper mills, water treatment,pneumatic conveyances, butchery, tannery, pharmaceutical chemistry, ecc.

CARRARO EX Wafer Style Knife Gate Valve With Handwheel Actuator

Due to its reliability feature, the "EX" -series uni-directional knife gate valve could be considered as a universal valve and be used in several applications such as paper mills, water treatment,pneumatic conveyances, butchery, tannery, pharmaceutical chemistry, ecc.

CARRARO TL Through Conduit Knife Gate Valve With Pneumatic Actuator

The TL model knife gate is a bi-directional wafer valve designed for media with high consistency. The double seat design assures a non-clogging shut off on either normal or reverse flow.

CARRARO TL Through Conduit Knife Gate Valve With Handwheel Actuator

The TL model knife gate is a bi-directional wafer valve designed for media with high consistency. The double seat design assures a non-clogging shut off on either normal or reverse flow.

belven®

more than invalved




Butterfly Valves

Ball Valves

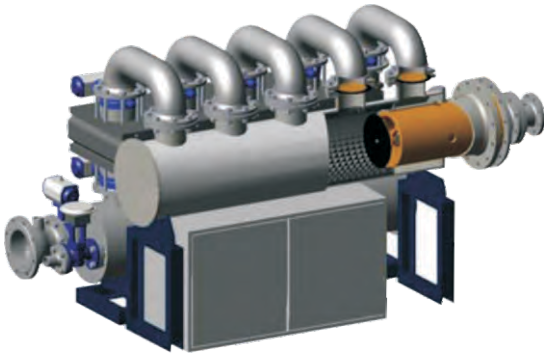
Check Valves, Strainers
Gate Valves

Being a specialist in industrial valves, Belven focusses on ball valves, butterfly valves, gate valves, strainers, check valves, ...
The production of the valves is set up according to ANSI, DIN and JIS and is available in different executions and sizings from DN 15 up to DN 2800. Additionally Belven provides a wide range of solutions around the valve, including motorization, control and signaling.

Belven works very quality oriented and is an ISO 9000 certified company since 1996. That is why the latest product requirements and certifications are implemented in its organisation and handled through its daily operation.

The Belven products are used in the chemical industry , the water treatment market, HVAC, district cooling/heating market, ...
Thanks to an extensive network of offices and distribution partners Belven is worldwide active on a commercial and logistics level.

Through continuous dialogue and technological innovation Belven wants to help achieve the success of its clients and suppliers and is continuously striving and looking for active partnership.



Dresser Calibration Benches

GE's Dresser Calibration Benches are designed for the testing and calibration of commonly used gas meters including diaphragm, rotary and turbine and some types of ultrasonic meter. The Dresser Calibration Benches can be operated manually,automatically and remotely (including active online support from GE energy and the Dutch Metrological Institute NMi upon request). The Dresser Calibration Benches employ innovative technology to deliver performance.

Dresser Turbine Meters

Designed to measure gas velocity, the operating principle of the turbine meter incorporates an innovative method of conditioning flow in the meter body. A straightening section in the meter body conditions the gas flow by removing undesired swirl, and turbulence before it reaches the turbine rotor. The dynamic forces from gas flow initiate rotation of the turbine rotor. The precision machined rotor, mounted on an axial shaft, includes high quality, low friction stainless steel ball bearings to allow world class measurement accuracy.

Dresser Series C Rotary Meter

Natural gas companies worldwide use GE's Dresser rotary meters in commercial and industrial natural gas measurement applications. Our rotary meters are also used in both high flow residential applications and low volume transmission applications. Dresser Series C rotary meters are used at the well head gathering line, compressor stations, gas distribution systems, and end users such as chemical and processing plants. Meters of standard construction are used in the measurement of a variety of filtered and dry non-corrosive gases, including specialty gases.

NP 12/110 Gas Meter

The NP 12/110 is the perfect meter for residential use, designed with innovative criteria for fully automated assembling. All manufacturing steps are verified carefully, so that the NP 12/110 gas meter offers high operation reliability and metering accuracy, constant in time.

ATS

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