

Optimise your Distillery Operations to Boost Production



Complete Solutions for the Distilled Spirit Industry

Proven solutions, local support and service in the UK to help you overcome your toughest challenges.



Control Valves - Main Features and Benefits

Fisher™ High Performance Butterfly Valve - Fisher™ Control-Disk™ Rotary Valve



- **Multiple Selection of Efficient Seal Technologies**
Fisher seal shaft sealing packing systems are compliant to international emission control standards (ISO 15848-1, TUV)
- **Improved Control**
Characterized equal percentage or standard linear disk: precise flow control through a large operational travel range. Optionnaly, with a contoured edge on one side, this unique and patented disk creates a flow clearance to provide an inherent flow characteristic

- **Reduced Maintenance Cost & Intervals**
Live loaded packing as a standard: constant spindle seal compression even at fluctuating temperatures
- **Lowest Friction Bearings**
Fisher rotary valve bearings: tested in use for the past fifty years to support the valve trim maintain minimal friction throughout product life

Fisher™ Vee-Ball™ Control Valve



Link to Vee-Ball Control Valve webpage [here](#)

- **Easy Installation**
Flangeless or integral flange body: supporting standard F2F but also short face installations
- **Versatile, Non-Clogging, High-Capacity Flow**
V-Notch ball: suitable for gas, steam, clean and dirty fluids, abrasive chemicals, and fibrous slurries. Cross industry needs with equal inherent characteristics
- **Improved Valve Performance**
Taper key ball-to-shaft connection: eliminates lost motion and minimizes deadband, also reduces process variability
- **Easy Seal Replacement & Inspection**
Once the valve is removed from the pipeline the seal assembly is easily extracted with no need to disassemble the valve body or remove the actuator

- **Trim Interchangeability**
All Vee-ball trim components remain the same regardless of body style: reduces parts inventory requirements and costs
- **Multiple Selection of Efficient Seal Technologies**
Fisher seal shaft sealing packing systems are compliant to international emission control standards
- **Reduced Maintenance Cost & Intervals**
Live loaded packing as a standard: constant spindle seal compression even at fluctuating temperatures

Fisher™ GX Control Valve



Link to GX Control Valve webpage [here](#)

- **Integrated Digital Technology with DVC2000/6200**
Linkageless integral interface eliminating tubing and simplifying maintenance. Non-contact position feedback, eliminating mechanical wear between valve and instrument
- **Easy to Maintain**
The GX is robust and compact with quick and easy actuator removal. The actuator can be easily field reversed to a fail-open or fail-closed configuration. Common parts interchangeability across all sizes reduce spare parts inventory requirements and associated costs

- **Inherent Corrosion Protection**
Anti-corrosion finish/stainless steel bolting
- **Adaptability to Wide Range of Applications**
The GX product line meets a wide range of flow and pipeline sizing requirements. A 3-Way construction is available, perfectly suited for accurate temperature control. The live-loaded emission control packing system offers a single valve for effective use in a wide variety of applications meeting stringent requirements compliant to emission standard requirements

Baumann™ Control Valve



Link to Control Valve webpage [here](#)

- **Easy Installation**
Small and compact design
- **Easier Part Management**
Multiple common parts: reduces costs due to parts interchangeability
- **Standard & Very Low Flow Capabilities**
Wide range of trim selection for handling small flows

- **Wide Pressure Range Across Product Line**
- **Easy Positioner Integration**
Linkageless integral interface eliminating tubing and simplifying maintenance. Non-contact position feedback, eliminating mechanical wear between valve and instrument

Fisher™ easy-e™ Control Valve



[Link to easy-e Control Valve webpage here](#)

- **Standard Valve Handles a Wide Range of Fluid Control Requirements**
One single globe valve meets all needs across the facility reducing the number of installed control valves. Easy-e valve enables easy selection of body style, flow characteristics and trim, meeting process requirements
- **Minimized Inventory, Training & Service Complexity**
Control valve periodic maintenance less complex with Easy-e valve design Interchangeable parts reducing inventory costs. One valve flexible for multiply applications reducing training and servicing complexity
- **Meets Valve Performance Requirements - Optimized Process Control**
Highly engineered control valves essential for the accuracy and controllability

of the process. Return on investment with long operating life and enhanced control performance

- **Reduced Emissions, Improved Sustainability**
Multiple selection of efficient seal technologies with Fisher seal shaft sealing packing systems, extremely low emissions into the atmosphere. Compliant to international standards
- **Reduced Maintenance Cost & Intervals**
Live loaded packing as a standard: constant spindle seal compression even at fluctuating temperatures

Isolation Butterfly Valves - Main Features and Benefits

Keystone™ K-lok Series 36/37 Butterfly Valves



[Link to K-lok Series Valve webpage here](#)

- **Long Cycle Life**
Double off set design: less rubbing between seat and disc
- **Low or Reduced Maintenance Cost & Intervals**
Inverted packing adjustment and packing gland bridge rocker design: perfect axial compression gland packing also improving safety
Live loaded packing as a standard: constant spindle seal compression even at fluctuating temperatures
- **Improved Safety**
Blowout proof shaft in compliance with API 609: secured shaft when changing actuation

- **Reduced Installation Cost**
Cast in disc stop provides consistent position seation: easy to automate
- **Extremely Low Emissions into the Atmosphere**
Improved Sustainability: certified for emissions according to EN 15848-1
- **Improved Reliability**
Tangential taper pins locking disc to shaft connection: provides stronger connection and creates a tolerance free connection

Keystone™ OptiSeal Butterfly Valve



[Link to OptiSeal Valve webpage here](#)

- **Improved Cycle Life**
Full spherical and high polished disc edge: extreme low seat wear
- **Low Maintenance Cost**
Field replaceable lip and groove seat: allows for ease of maintenance, even without removing the actuator
- **Low Operation Cost & Corrosion Elimination**
One-piece disc stem: provides for high strength and increased Cv value, no hysteresis between shaft and disc, no possibility of media penetrating between shaft and disc

- **Standardisation**
ISO face-to-face dimension according to EN 558 series 20: in compliance to the industrial standards
- **Improved Flexibility**
Polished disc and / or PTFE seat: suited for a wide range of applications including spirt and hygienic lines

Keystone™ Fig 990



[Link to Fig 990 webpage here](#)

- **Improved Cycle Life**
Multiple upper and lower shaft bearings: reduces torque and increases cycle life
Full spherical and high polished disc edge: extreme low seat wear
- **Low Maintenance Cost**
Replaceable seat with dovetail retention to the body: allows for ease of maintenance, even without removing the actuator
- **Low Operation Cost & Corrosion Elimination**
One-piece disc stem: provides for high strength and increased Cv value, no hysteresis between shaft and disc, no possibility of media penetrating between shaft and disc

- **Standardisation**
ISO face-to-face dimension according to EN 558 series 20: in compliance to the industrial standards
- **Improved Flexibility**
Polished disc and / or PTFE seat:
Trim stainless steel disc with EPDM seat: suited for most utilities
Trim stainless steel disc with EPDM/PTFE seat: suited for process and CIP lines

Sliding Stem Actuators - Main Features and Benefits

Fisher™ 657 Direct-Acting Actuator



[Link to 657 Actuator webpage here](#)

Fisher™ 667 Reverse-Acting Actuator



[Link to 667 Actuator webpage here](#)

- **Accuracy**
Inherent low friction design to ensure best valve positioning 657 (direct) / 667 (reverse) sizes 30" to 76"
- **Integral Instrument Mounting**
FIELDVUE™ positioner
- **Simplified Mounting & Reduced Number of Parts**
Type 667 internal air passage: eliminates the need for instruments tubing and fittings

Rotary Actuators - Main Features and Benefits

Fisher™ 2052 Spring and Diaphragm Rotary Actuator



[Link to 2052 Actuator webpage here](#)

- **Compact Design**
Reduced valve/actuator envelope dimensions, heavy duty usage
- **Compatible with DVC2000/6200/6000 Digital Valve Controllers**
Linkageless feedback via contact-less magnetic array
- **Reduced Lost Motion**
Lever clamped onto splined valve shaft coupled with a single pivot linkage
- **Easy Travel Range Adjustment**
Easy to set using the available travel stops
- **Mounted on Wider Range of Valves**
Actuator can be mounted directly onto non-spline shafts

Fisher™ 1068 Rotary Valve Actuator



[Link to 1068 Valve Actuator webpage here](#)

- **Integral Air Passage**
Eliminating need for external tubing and fitting when paired with a Fisher™ FIELDVUE™ DVC6200 digital valve controller
- **Compact Construction**
Reduced valve/actuator envelope dimensions giving more mounting flexibility
- **Long Life Service**
Rugged construction providing stability, corrosion resistance and protection from demanding process control applications
- **Large Size Range**
Offers sizes that cover torques up to 150,000 in • lb

Bettis™ RPE Series Pneumatic Rack and Pinion Valve Actuator



- **Maximum Protection in Harsh Environment**
Heavy duty body castings
- **Corrosion Resistance**
Polyurethane powder coating on housing and end caps
- **Safe In-Field Reconfiguration from Fail-Close to Fail-Open**
One piece blow-out pressure-balanced pinion
- **Accurate and Intuitive End of Stroke Adjustment**
Precision dual stroke adjustment for Open and Closed valve position
- **Direct and Low-Profile Mounting**
Dual ISO 5211 mounting patterns along with drive inserts on the valve flange

Pressure Vacuum Relief Vents and Flame & Detonation Arrestors - Main Features and Benefits

Anderson Greenwood™ Pressure Vacuum Relief Valves



[Link to PVRV webpage here](#)

- **Primary Function - 'BLEVE'**
To protect tanks and processes from physical damage or permanent deformation caused by increases in internal pressure or vacuum encountered in normal operations. On smaller tanks, the valves may also provide sufficient flow capacity for emergency venting
- **Reduced Emission & Product Loss**
Leakage rates as low as 0.5 scfh (0.015 Nm³ /hr) or less at 90% of setpoint

- **Low Maintenance Cost & Long Cycle Life**
Replacable seats, in situ maintenance & available with all stainless-steel metal components

Anderson Greenwood™ Flame Arrestors



[Link to Flame Arrestors webpage here](#)

- **Primary Function**
Flame arresters prevent the transmission flames when explosive gas-air or vapour-air mixtures are present. Explosions are generally defined in three categories – Unconfined Deflagration (end of line), Deflagration (inline subsonic) and Detonation (inline supersonic)
- **Improved Safety & Preventive Maintenance**
Immediate indication of stabilized burn or pressure drop: wireless or hard-wired pressure and temperature sensors

- **Potentially Combustible Atmospheres**
Distillation processes create potentially combustible atmospheres. Flame arresters will help to protect tanks and processes from the uncontrolled propagation of explosions of ethanol rich vapours
- **Low Maintenance Cost & Long Cycle Life**
Simple to replace element assemblies and available with all stainless-steel metal components

Digital Valve Controllers - Main Features and Benefits

Fisher™ FIELDVUE™ DVC2000 Digital Valve Controller



[Link to DVC2000 webpage here](#)

- **Easy Installation**
Compact size: can be mounted to any actuator
- **Simple Operation**
Local user interface & multilingual liquid crystal display - auto calibration
Display protected from the environment - multiple languages
- **Simple to Maintain & Install**
Linkage-less non-contact position feedback
- **Integration via HART®**

- **Integrated Position Switch & Position Transmitter on Option**
Transmitter provides 4-20 mA signal for position verification
Switches configuration to indicate open and closed positions at any point within the calibrated travel
- **Valve Diagnostics & In-Service Performance Diagnostic Tests**
Enables insight to condition and performance of entire valve assembly - Control valve health and catch issues before they impact production line

Fisher™ FIELDVUE™ DVC6200 Digital Valve Controller



[Link to DVC6200 webpage here](#)

- **Easy Integration**
Hart Profibus, Foundation Fieldbus options hosting control system
- **SIL 3 Certified**
Partial stroke testing on ESD applications
- **Online Friction Test & Trend**
Monitor friction or torque and deadband while production is in service - Control valve health

- **Integrated Position Switch & Position Transmitter on Option**
Transmitter provides 4-20 mA signal for position verification
- **Simple to Maintain & Install**
Linkage-less non-contact position feedback
- **Wireless Access via Smart Wireless THUM**
Access measurement and diagnostics data regardless of location or application

Maintenance Services



- Repair Services
- Advanced Remair and Replace
- Routine Maintenance
- Qualified and Trained Resident Engineers
- Emergency On-Site Services
- Scheduled On-Site Support Services
- Start-Up Services
- Comprehensive Maintenance
- 10t Onsite Lifting Capacity

Performance Services



- Training / Education Needs
- Classroom and Virtual Learning
- Planning Aligned to your Business Goals
- Flow Metering Certainty
- Asset Performance
- Improvement and Optimisation
- Performance Solutions
- Service support Agreements

Reliability Services



- Shutdowns, Turnarounds and Outages
- Site Walkdown and Evaluation
- Start-up Commissioning
- Calibration and Certification
- Mobile Flow Calibration Truck
- Safety System

OEM Parts and Services



- Quality, Safety and Reliability for your Process
- Trusted Brands
- Decades of field-proven experience enabling customers to achieve optimum quartile performance
- Refurbished units to replace obsolete non-stock or hard to locate assets and parts

Lifecycle Services



- Mobile Service Centre Containers with Certified Technician
- Global Support for Service Requirements or Technical Queries
- Expertise, Technology and Processes

Education Services



- Virutal and Classroom Training
- EU Centre of Excellence for Pressure Relief Valves
- New Hire Training
- Improve Current Workforce Skills
- Learn about new Technology and Products' Best Practices

Valve Condition Monitoring



- Digital Transformation
- Intrinsically Safe Asset management Tags
- Quick Valve Identification
- Tag Record and Re-certificate
- Field Support
- Project management

Project and Consultancy Services



- Lifecycle Strategy
- Modernisation and Migration
- Production Performance
- Safety and Security

**Unrivalled Breadth of Products, Project Management, Connected Services and Service Networks
Servicing all Valves Everywhere**



Emerson QuickShip

Fast, reliable production and shipment services to suit your needs

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QuickShip is a world-class fulfillment program offered by Emerson Automation Solutions that allows for fast shipment of parts and products to maximize speed and responsiveness. It leverages our global infrastructure, local presence and commitment to service to help you avoid downtime, stay on schedule, respond to the unexpected, and control costs in today's challenging environments.

Put Emerson's wealth of resources and expertise to work for you to resolve all your part and product shipping needs, no matter the circumstances.

Inventory available and ready to support a large range of valve configurations, check with your local sales office for available configurations and further information.

QuickShip **Everyday**

For fast, easy and reliable shipment of standard items at no extra charge

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To meet your required delivery date for any product with flexible price premiums

QuickShip **Emergency**

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