



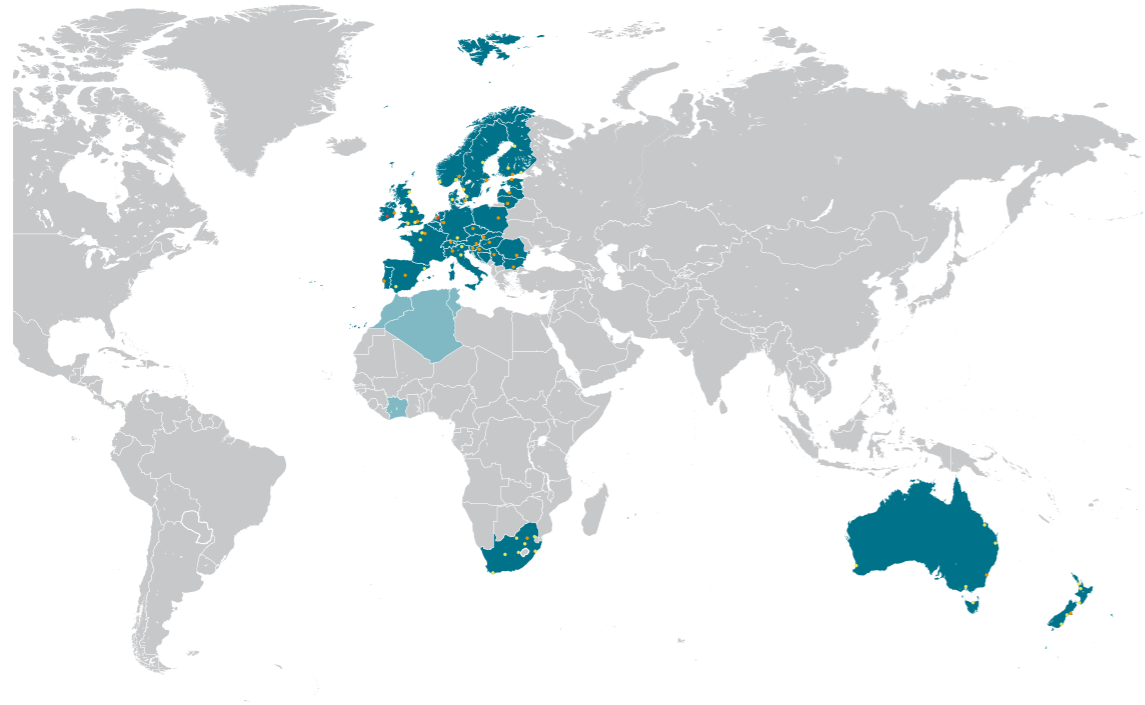
# *fluidity.* nonstop

IT'S ABOUT KEEPING YOUR PROCESSES RUNNING

**The most  
comprehensive valve  
portfolio in Ireland**

 **AxFLOW**

# AxFlow near you



## About AxFlow in Ireland

Our team of experienced engineers are here to offer the very best technical advice and support. That, together with products from world leading manufacturers, means you can be sure of the highest quality equipment selected to provide the most precise, cost-effective and reliable solution to your fluid handling requirements.

The role that fluid handling systems play in your process is vital, yet often hidden. That's fine with us; we believe in 'fit and forget'. We work hard so that we can fit and you can forget.

## AxFlow Group

The AxFlow Group is one of Europe's largest suppliers of centrifugal, rotary positive displacement and reciprocating pumps. Operating with offices and service locations in 27 European countries and offices in South

Africa, Australia and New Zealand, AxFlow with nearly 1100 employees represent many world leading pump manufacturers. It is not just about selling pumps and spares – AxFlow provide face-to-face technical support and problem solving capabilities unsurpassed within the pumps industry. That in-depth knowledge along with the ability to select the "best pump for the job" irrespective of supplier, allows AxFlow an almost unique perspective on providing the optimum solution. Recent years have seen AxFlow develop a comprehensive pump service and repair organisation as well as the ability to build bespoke pump-systems to solve process problems.

Our ultimate parent company Axel Johnson was formed in 1873 and to this day AxFlow remain part of a family owned business.



## Process Equipment

### ABO Butterfly Valves

The ABO Series 900 Butterfly Valves are of premium quality with a resilient seat designed for use in industrial applications. Whether it is potable, sewage, sea or industrial water, light chemicals, pharmaceuticals, oil or oil derivatives, sugar juice, as well as applications in the food processing industry, ABO Series 900 will provide long-term reliability and low maintenance requirements.

- Body type options include Wafer, Lugged and Double Flanged
- Options for disc material for brass, Aluminium bronze, Stainless Steel, Ductile Iron Epoxy Coated, Hastelloy, Titanium and Halar or Rilsan Coating.
- Manufactured in accordance to ISO 9001, EN12266-1, ISO 5208
- Seat Material options include NBR, EPDM, Viton, Silicone, Epichlorohydrin and Hypalon
- Top flange manufactures according to ISO 5211



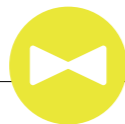
**ABO valve**

### ISV Butterfly Valves

The ISV Butterfly Valve is a cast iron epoxy coated valve manufactured in accordance to ISO 5211 and is commonly used for flow isolation and regulation for industrial and commercial applications. Butterfly valves provide low pressure loss and leak free operation and are available with manual, electric or pneumatic actuation depending customer requirements.



- **Body: Ductile Iron 0.7040 Epoxy Coated**
- **Seat: EPDM -25°C to +125°C**
- **Sizes: 50mm – 300mm**
- **Disc: Ductile Iron epoxy coated or Stainless Steel 1.4308 CF8M**
- **Dimensions: According to EN558 Series 20, ISO5752 Series 20**
- **Flanges: Wafer or fully lugged pattern to suit flanges PN6/10/16**



## Process Equipment

### Auma Actuators

Auma actuators are one of the industry's leading manufacturer in Electric quarter and Multi Turn valve automation solutions, available for duties from simple ¼ turn On/Off to Fully Modulating Multi turn actuators with various control options – Profibus, Modbus, analogue Position control and more.

With options such as Ex Rating, IP68 environmental protection, Non-intrusive / Bluetooth setup and UPS supply.



- Quarter Turn (SQ) and Multi Turn (SA)
- Available in 110v/220v 1phase or 380/400 v 3phase
- IP67 – IP68
- Supplied as standard with "Matic" control unit, for selectable Local / Remote control, with Reversing Contactors, Push Button Control
- Indicator lamps for Fully Open / Fully Closed, Running and Fault Display
- Adjustable Torque and Limit switches
- Manual Override via De-Clutchable Handwheel
- Paint Specification – C5M Marine Grade
- ISO Standard Valve Mounting Pad
- Visual Position Indication
- Available up to 1500 Starts per hour

**auma**  
Solutions for a world in motion



### Airpower Pneumatic Actuators

The air power actuator uses the same dimensions for double and single acting actuators with a 90° or 180° pivoting angle. This means that a double acting actuator can easily be converted to a spring return actuator by adding springs and vice versa. The aluminium housing is hard anodised and powder coated. The caps are manufactured die cast aluminium and is likewise powder coated allowing for deployment possibilities in almost all situations especially critical environments meaning that the Air Power Pneumatic actuator will suit all your needs for 90° - 180° valve actuation.

- **Housing:** Aluminium alloy, hard anodised, outside PE Coated
- **Interface:** Namur VDI/VDE 3845
- **Ambient Temperature:** -35° - +80° C
- **Torque range:** 2 Nm to 13,022 Nm
- **Control Pressure:** 2 – 10 Bar
- **Control Media:** Filtered air minimum acc to DIN/ISO 8573-1 Class 4

**airpower**  
europe gmbh



## Process Equipment

### Noah Actuators

The Noah Series of Electric ¼ Actuators are particularly suitable for Ball, Butterfly and Plug Valves. Options are available to suit most application environments and industry types. Its compact and simple design will assure reliability and quality for customers even in hazardous locations. The Noah Series of Electric Actuators give the best automation solutions, long life, low maintenance and reliable service.

- Torque ratings from 30Nm up to 3,500Nm.
- Open/Close operation or Modulating by 4-20mA control signal.
- IP67 as standard.
- Operating voltage of 24VDC, 110VAC, 220VAC or 380VAC.
- Epoxy Coated Aluminium Body



**NOAH**  
Actuation

### Gate Valves

The ISV range of Gate Valves are designed and manufactured in accordance with BS5163. Primarily for Water, Waste Water, Neutral Liquids, and Industrial Applications. All valves are Shell Tested to 24bar prior to leaving works, have a WRAS approved two-part Epoxy Blue Coating inside and out, Stainless Steel Shaft and Replaceable EPDM Seals.

- Ductile Iron Body
- Available in Sizes from 50mm to 2000mm
- ISO Pad and Keyed Shaft for Direct Actuation
- Flanges to Suit PN6/10/16
- Clockwise or Anti-Clockwise closing
- Gearbox, Handwheel or Cap Top Operation

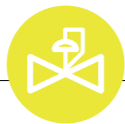


**ISV**

### Swing Check Valves

The ISV range of Swing Check Valves with Resilient Seats features a unique Body and Disc Design, to allow 100% Flow Area. Designed to reduce the effects of Water Hammer whilst offering a Fast-Acting Closure and eliminating the need for External Levers and Weights. Designed primarily for Water and Waste Water applications. All valves are Shell Tested to 24bar prior to leaving works, have a two-part Epoxy Blue Coating.

- Ductile iron body and bonnet
- Available in Sizes from 50mm to 600mm
- Flange drillings: PN10, PN16, ANSI
- External backflush device
- Fully moulded disk assembly
- Nylon reinforced hinge
- Temperature rating - (EPDM) 10°C - 120°C



## Process Equipment



### MT BSP Threaded Ball Valves

The MT range of BSP Threaded Ball Valves are suitable for use in installations in hot and cold water, low pressure steam, chemical installations, solvents, fluids of all kinds and air. Chemical industries, petrochemical industries, food industries for external and auxiliary processes.

- CF8M stainless steel (AISI-316) Body & Ball
- Available in Two Pieces or Three Pieces
- Full Bore
- ISO Pad for Actuation or Lever Operated
- PTFE Ball Seats
- Available in Sizes from 8mm to 100mm
- Maximum Working Pressure of 63bar
- Working temperature range of -20° to 80°C



- Ductile Iron Body
- Epoxy paint coating
- Available in Sizes from 40mm to 350mm
- Maximum Working Pressure of 16bar
- Working temperature range of -10° to 80°C
- EPDM Seat & AISI-304 stainless steel disc

### MT Double Disc Check Valves

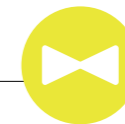
The MT range of Double Disc Check Valves are suitable for installation/use with cold and hot water, waste water, alimentary industry, steam, alkaline liquid and weak acids.



- 316 stainless body and disc (AISI-316)
- Reduced Bore
- FKM O-Rings
- Available in Sizes from 40mm to 150mm
- Maximum Working Pressure of 16bar
- Working temperature range of -20° to 80°C

### MT Wafer Swing Check Valve

The MT range of Wafer Swing Check Valves are suitable for use in installations in hot and cold water, low pressure steam, chemical installations, solvents, fluids of all kinds and air. Chemical industries, petrochemical industries, food industries for external and auxiliary processes.



## Process Equipment

### MT Ball Check Valve

The MT range of Ball Check Valves are suitable for a wide range of applications such as in facilities with hot and cold water, sewage, septic tanks, oils, and neutral chemicals.

These valves completely close the passage of fluid circulating in one direction and leaving free the other.

- Ductile Iron Body
- Epoxy paint coating
- Available in Sizes from 400mm to 350mm
- Maximum Working Pressure of 16bar
- Suitable for installation in the horizontal position
- Working temperature range of 0° to 80°C
- Metal ball with NBR elastomer coating



### MT Flanged Ball Valves

The MT range of Flanged Stainless Steel Ball Valves are suitable for use in installations in hot and cold water, low pressure steam, chemical installations, solvents, fluids of all kinds and air. Chemical industries, petrochemical industries, food industries for external and auxiliary processes.

- CF8M stainless steel (AISI-316) Body & Ball
- Full Bore
- ISO Pad for Actuation or Lever Operated
- Reinforced PTFE Ball Seats
- Available in Sizes from 15mm to 150mm
- Maximum Working Pressure of 16bar
- Working temperature range of -20° to 80°C

## APV Process Equipment

*Engineering excellence to meet the highest international standards for hygiene.*

### APV Process Valves

APV's extensive valve range includes valves built to the highest hygienic and aseptic standards and are designed for CIP use. From simple shut-off valves to aseptic diaphragm valves, mix-proof valves and control valves, APV has an extensive offering.

- Sized 1-4" / DN25-100 and larger across most ranges
- Designed for easy maintenance, valves are modular and adaptable.
- Operated either manually or pneumatically,
- CU4 control top brings precision control, clarity and reliability to your process.
- Some valves available with ATEX / Ehedg / 3A approval



SPX D4 - DOUBLE SEAT MIXPROOF



DELTA SW4 - SINGLE SEAT



SD4 - DOUBLE SEAL MIXPROOF



DELTA RG4/RGE4 REGULATING VALVES



DKR - DOUBLE SEAT BALL VALVE



BUTTERFLY - DELTA SV/SVS



**APV®**

**AXFLOW**



## Process Equipment

### Penstock Valves

Orbinox penstocks are suitable for different types of applications with a highly versatile flow control for water and wastewater treatment plants, irrigation, reservoirs, hydraulic works and hydro-electric power plants. Orbinox penstocks are available as wall mounted 4 side sealing, channel mounted 3 side sealing and weir penstocks. Orbinox can also offer a range of aluminium stop logs specific to site requirements.

- Cast Iron, Stainless Steel Bodies available
- Available from 50mm to 1200mm as standard (other sizes available upon request)
- PN10, PN16 ANSI 150 Flanges available
- Options for UNI or Bi-Directional
- Gate Materials options of AISI 304 & AISI 316 Stainless Steel
- Rising and Non-Rising Stem
- Operation options for Gearbox, lever, handwheel, Pneumatic and Electric actuation.
- Seat material options for EPDM or metal.

- Sealing: Uni or bi directional
- Sizes: 200x200 to 4000x4000mm (other sizes are available on request)
- Frame & Slide: AISI 304L / AISI 316L
- Guides: Polyethylene (HMWPE)
- Seal: EPDM / Nitrile
- Stem: Rising / Non-rising
- Operation: Manual, electric, Pneumatic



### Orbinox Knife Gates

The Orbinox EX & EB model Knife Gate Valves are UNI or Bi-Directional valves designed for general industrial service applications. The design of the body and seat assures non-clogging shut off on suspended solids in industries.

### Pressure Relief and Reducing Valves

Goetze KG Armaturen is a world leading German Manufacturer of Safety Valves, Pressure Relief and Pressure Reducing Valves. Their comprehensive range covers most duty applications. Whether for Air, Water or chemicals.



- TUV and ISO quality certified,
- Options for preset, calibrated and certified, or can be supplied for user setting.
- ATEX rating is optional for all products.
- Material options such as Gunmetal, Stainless Steel and Spheroidal Graphite Cast Iron

*fluidity*.nonstop® is about keeping your processes running. And it's our promise and our commitment to a level of service and a quality of product, performance and expertise that has never been bettered.

By its nature, fluidity.nonstop is never static, that promise is ever-evolving and improving. As needs and demands change, we work to meet those new challenges and try to surpass them. We are Europe's leading source of pumps and pump expertise for the process industry and we intend to maintain that position by working fluidly and ceaselessly to be the best.

For more information, please visit [www.axflow.ie](http://www.axflow.ie)

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