

Water Utilities

Product Range Overview



Our Solutions for Water Utilities

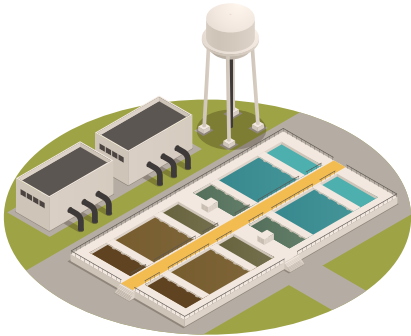
Our comprehensive range of valve and actuation solutions is engineered to meet the demanding requirements of the water utilities market, delivering reliable performance across clean water treatment, wastewater treatment, and pumping stations. From electrically actuated butterfly valves for precise flow control to check valves that prevent backflow and air valves that protect long rising mains, our products enhance efficiency and safeguard system integrity. In wastewater and pumping environments, robust ball valves and pressure relief valves protect critical assets, while automated flow control solutions help maintain smooth, dependable network operation.



Clean water treatment

- Butterfly valves with electric actuators for flow control.
- Check valves / non-return valves to prevent backflow
- Air valves on long rising mains.
- Pressure regulators
- Electric and pneumatic actuators to automated butterfly valves

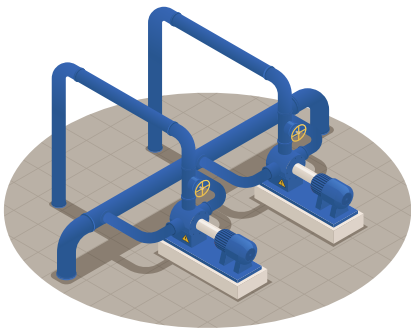
Clean water treatment systems require reliable and precise control to ensure safe, efficient operation at every stage of the process. Butterfly valves with electric actuation provide accurate flow control, and check valves help to prevent backflow to maintain system integrity. Air valves protect long rising mains from air build-up, while pressure regulators ensure stable operating conditions. Together with electric and pneumatic actuators and automated butterfly valves, these solutions enable efficient, consistent, and fully controlled treatment processes.



Wastewater treatment

- Ball valves for small pipe diameters
- Check valves on dosing systems
- Flow control for backflow prevention
- Pneumatic actuator systems

Wastewater treatment systems demand durable and dependable components to handle challenging conditions and maintain efficient process control. Ball valves provide reliable shut-off for smaller pipe diameters, while check valves prevent backflow in dosing and flow control systems, protecting equipment and ensuring safe operation. Pneumatic actuator systems enable fast, robust automation, making them ideal for responsive control in demanding wastewater environments.



Pumping stations

- Check valves and pressure relief valves to protect pumps.
- Automated butterfly valves to control inflow/outflow.
- Air valves on pressurised mains.

Pumping stations rely on robust and responsive valve solutions to protect equipment and maintain efficient flow control. Check valves and pressure relief valves safeguard pumps from backflow and overpressure, while automated butterfly valves regulate inflow and outflow with precision. Air valves on pressurised mains help manage air movement, preventing pressure issues and ensuring smooth, reliable operation of the system.



Our Products

Butterfly Valves

Designed for efficient flow isolation and control in water utility pipelines, our butterfly valves provide reliable start, stop, and throttling performance. Their quick quarter-turn operation makes them ideal for frequent use, while the compact, lightweight design suits large-diameter pipes and space-restricted installations. Cost-effective and well-suited to low and moderate pressure applications such as treatment, distribution, and dosing systems, they can be supplied manually or fully automated with electric or pneumatic actuation. Our Sylax and Xylia2 butterfly valve range is supported by pneumatic and electric actuator solutions.

- **Flow Control (Isolation and Throttling):**

Start, stop, or regulate flow, with quick quarter-turn operation - ideal for frequent opening and closing.

- **Space-Saving Design:**

Compact and lightweight - valuable in tight installations or when large valve sizes are needed.

- **Cost-Effective for Large Pipes:**

Especially useful in large-diameter pipelines, where gate valves become bulky and expensive.

- **Low-Pressure Applications:**

Ideal for systems with moderate pressures, such as in filtration, distribution, or chemical dosing lines.

- **Automated solutions:**

Using electric or pneumatic actuation with butterfly valves

Products

- **Sylax butterfly Valve**

Wafer, lugged or double flanged U-section pattern. EPDM liner for clean water treatment, nitrile liner for waste water treatment

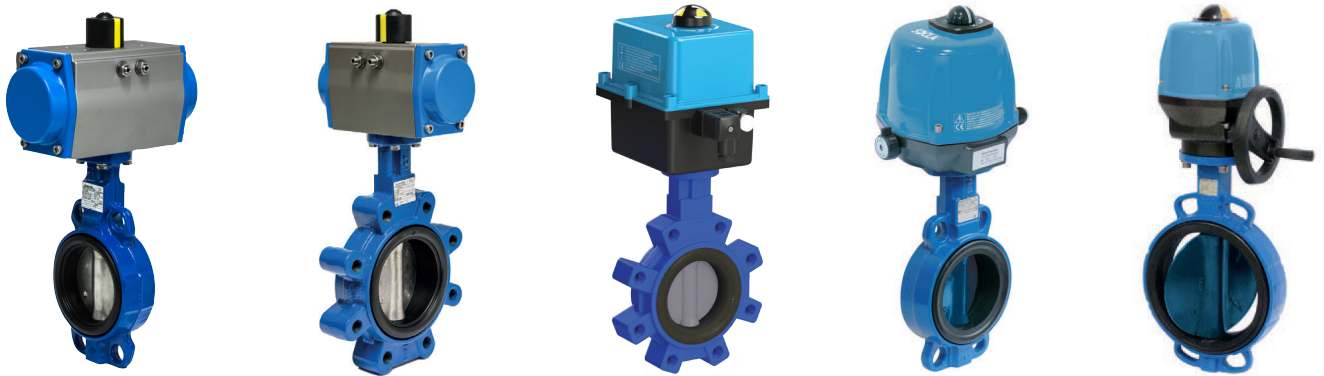
- **Xylia2 butterfly valve**

Wafer or lug pattern with replaceable EPDM liner for reliable sealing in standard water and HVAC applications.



Automated valves

Automated butterfly valve solutions combine precision control with reliable performance, offering fully integrated valve and actuation systems designed to improve efficiency, safety, and ease of operation across water and industrial applications.



- **Precise Automated Control**

Delivers accurate flow isolation, regulation, and responsiveness, improving overall system efficiency and stability.

- **Fail-Safe Operation**

Maintains safe system conditions during power or air loss, protecting equipment and processes.

- **High-Performance Sealing**

Minimises leakage and wear, reducing maintenance needs and extending service life.

- **Flexible Actuation Options**

Available with electric or pneumatic actuators to suit speed, environment, and control requirements.

- **Integrated Valve & Actuator Design**

Engineered as a matched assembly for optimal torque, reliability, and long-term performance.

- **Factory-Assembled & Tested**

Pre-configured units reduce installation time, minimise errors, and ensure reliable commissioning.



Our Products

Check Valves & Non-return Valves

Check valves, often referred to as non-return valves, are designed to allow flow in one direction only, preventing reverse flow within pipeline systems. Although the terms are often used interchangeably, check valves are typically certified to specific water regulation backflow categories, while non-return valves perform the same function without formal classification.

In water and wastewater applications, these valves play a critical role in preventing contamination, protecting pumps and upstream equipment from damage and water hammer, maintaining system pressure during shutdowns, and ensuring correct flow direction through treatment processes such as filtration, membranes, and chemical dosing systems.

- **Prevent Backflow:**

Stops treated or contaminated water from flowing backward and mixing with clean water. Protects upstream components and prevents contamination of clean water sources.

- **Protect Pumps and Equipment:**

Prevents water from flowing back into pumps when they are turned off, which can cause water hammer or mechanical damage.

- **Maintain System Pressure:**

Helps maintain pressure in certain parts of the system, especially when pumps are off or during shutdowns.

- **Direct Flow in Process Lines:**

Ensures correct flow direction through filters, membranes, chemical dosing lines, and other treatment stages.

- **Used in Chemical Dosing Systems:**

Prevents reverse flow of chemicals that could damage dosing pumps or cause unsafe mixing.

Products

- **Swing Check Valves**

Model 405, for reliable backflow prevention in water and wastewater applications, with low head loss and dependable operation.



- **Ball Check Valves**

Models 508, 418, 508F, 418F, 50, 50F, Wafer and flanged check valves for reliable backflow prevention in water distribution and treatment systems, offering compact design and secure installation options.



- **Dual Plate Check Valves**

Models 895, 805, 815 Compact, wafer-style dual plate check valves designed for fast closure, reduced water hammer, and reliable backflow prevention.



- **Spring-loaded check valves**

Models EA453, EC453/453, 402, 892, 882, 812, 812X. Compact, spring-assisted check valves designed for rapid closure and reliable backflow prevention, helping to minimise water hammer and protect pumps and system components.



Air Valves

Air valves play a vital role in water utility networks by managing air within pressurised pipelines. They automatically release trapped air during operation to prevent restricted flow, corrosion, pressure surges, and water hammer, while also allowing air to enter during draining or pump shutdowns to avoid vacuum conditions and potential pipe collapse.



- **Release Trapped Air:**

Automatically removes accumulated air pockets from pipelines to maintain efficient flow, reduce pressure loss, and help prevent corrosion and water hammer.

- **Protect Pipelines and Equipment:**

Minimises pressure surges and vacuum conditions that can damage pipes, pumps, valves, and other critical infrastructure during operation or shutdown.

- **Prevent Vacuum and Pipe Collapse:**

Allows air to safely enter the system during draining or pump stoppages, preventing negative pressure and reducing the risk of pipeline collapse.

Pressure Control Valves

Pressure relief valves are essential for protecting water systems by controlling and limiting excess pressure. They automatically open when pressure exceeds a set setpoint, safeguarding pipelines, valves, and equipment from damage, while maintaining stable and safe operating conditions and reducing the risk of pressure surges and water hammer.



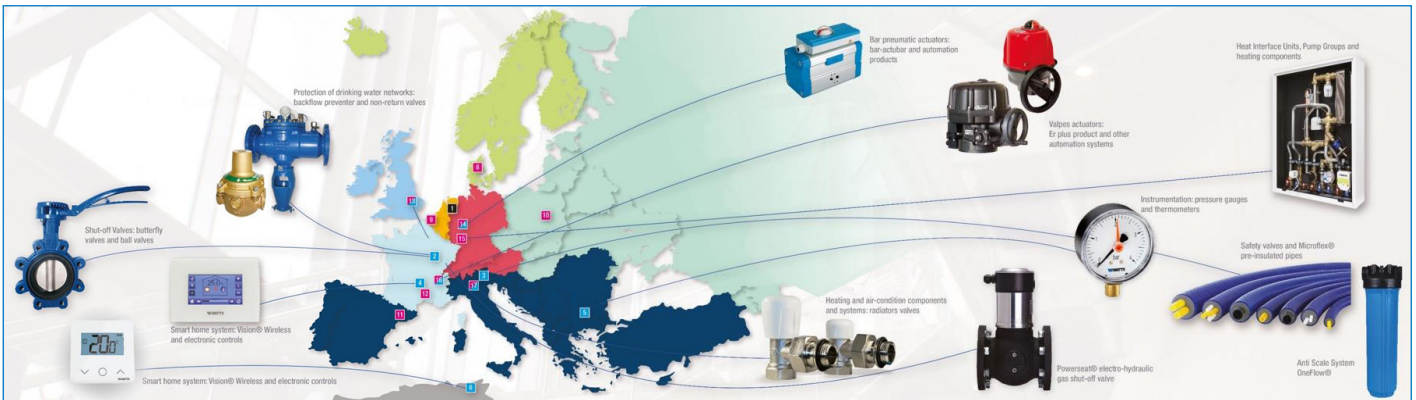
- **Protection of equipment and pipelines** from over pressure, reducing the risk of burst pipes, damaged valves, or cracked tanks. The valve opens when pressure exceeds a setpoint and safely vents water or air until pressure returns to safe levels

- **Maintain safe system pressure operating conditions**, especially in closed loop systems such as chemical dosing, booster pumps and chlorination systems

- **Keep system pressures stable** preventing water hammer or pressure surges from rapid valve closures or pump starts/stops.



OUR SALES AND MANUFACTURING



OUR BRANDS

bar Pneumatic Actuators

With over 40 years of automation expertise, bar GmbH delivers reliable solutions across industries including chemicals, pharmaceuticals, food processing, water treatment, and power generation.

Valpes Electric Actuators

Made in France, Valpes electric actuators offer versatile, reliable performance for applications ranging from simple setups to complex systems.

SOCLA - Fluid Network Protection

With 70+ years of experience, SOCLA designs and manufactures products for protecting, controlling, and regulating fluid networks across water, heating, and industrial systems.

Microflex - Pre-Insulated Pipe

Microflex provides flexible, energy-efficient pipe systems for heating, cooling, and industrial networks, supporting renewable energy use while reducing consumption and emissions.

7 Sales Regions		17 Locations	
	Nordics		Benelux
	Central & Eastern Europe (CEE)		France
	UK & Ireland		Southern Europe
	DACH (GERMANY, AUSTRIA & SWITZERLAND)		
	Headquarters		Sales offices
	1 Eerbeek		8 Skanderborg
	Manufacturing sites		9 Wingene
	2 Virey-le-Grand		10 Piaseczno
	3 Gardolo		11 Rubí
	4 Rosières		12 Sorgues
	5 Plovdiv		Sales & Manufacturing
	6 Monastir		13 Saint Neots
			14 Dattenberg
			15 Landau
			16 Moirans
			17 Biassono

