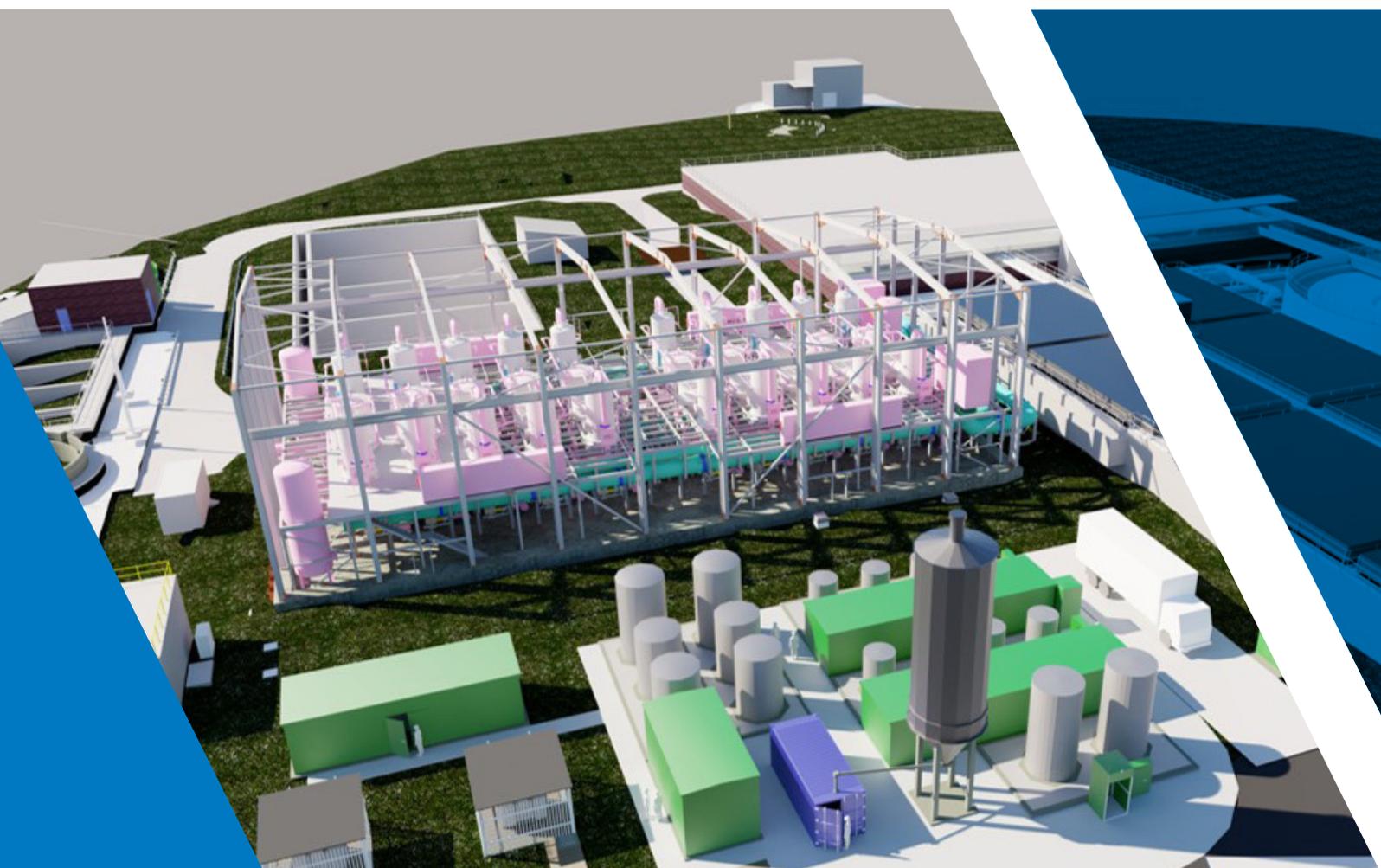


Safeguarding water supply for 700,000 people

Delivering sustainable high quality water





SCOPE

SOCLA butterfly and check valves specifically designed for the plant's flow value.

• WHO

Water utility company

• WHAT

Clean water in water treatment plant

• HOW

Butterfly valves, 402 check valves, BAR AGTURN actuators

• WHERE

UK

• WHEN

January 2022 onwards

With over 50 years of experience in water conditioning and water treatment systems, Watts is known as a worldwide leader in the water quality industry. We supplied our SOCLA products to a ground-breaking project to design, build, install, and commission the UK's largest ceramic membrane filtration plant.



Modern, safe water supply

Water utility companies are responsible for providing safe and clean drinking water to the public and maintaining the quality of that water. In addition to protecting public health, maintaining safe water quality is essential to prevent contaminated water from harming aquatic ecosystems and wildlife.

The new waterworks are vital to supply clean water to the region's population. With an investment of £57 million, this project aimed to increase the capacity of the water treatment works and introduce advanced filtration technologies to secure the supply of high-quality water.

The project incorporates our SOCLA Sylax butterfly valves, BAR AGTURN actuators and 402 non-return valves in cast iron and stainless steel, to achieve the project's objectives effectively.

SOCLA butterfly and check valves were identified for this project for their capacity to meet the technical challenges of the plant. The plant sources water from a reservoir approximately two miles northwest of the site. This reservoir is replenished by the river intake pumps within the intake building directly adjacent to the river.

The maximum flow of raw water that can gravitate to the works from the reservoir is 130-135 Megalitres Per Day (MLD). However, an additional measure was required to achieve the desired design flow value. Our team supplied SOCLA Sylax butterfly valves, specially designed for raw water applications, into the system to address this.

Our products are pivotal in delivering a sustainable, high-quality water supply to approximately 700,000 customers. Showcasing our expertise in meeting the evolving demands of the water treatment industry and ensuring clean water for communities.

SOCLA butterfly valve project benefits

Sylax butterfly valves are robust, reliable, and effectively control natural water flow within the treatment process. Their excellent sealing properties and corrosion resistance make them ideal for handling large volumes of raw water. By incorporating these into the water treatment process, we ensured precise flow control, thereby optimising the system's overall efficiency.

Our ranges of backflow preventers and valves are specially designed to protect drinking water pipelines, no matter where they are used, whether domestic, urban, agricultural or industrial.

With several million Sylax butterfly valves installed worldwide, this range of Watts products is world-renowned for its high quality and excellent performance.

Coupled with the BAR AGTURN actuators, these valves enable precise and reliable control, facilitating the seamless operation of the treatment system.

402 non-return valve project benefits

The 402 cast iron and stainless steel non-return valves were strategically placed within the system to regulate water flow, prevent backflow, and ensure the proper functioning of the treatment processes. Their robust construction, high-performance capabilities, and corrosion resistance make them ideal for this demanding environment.



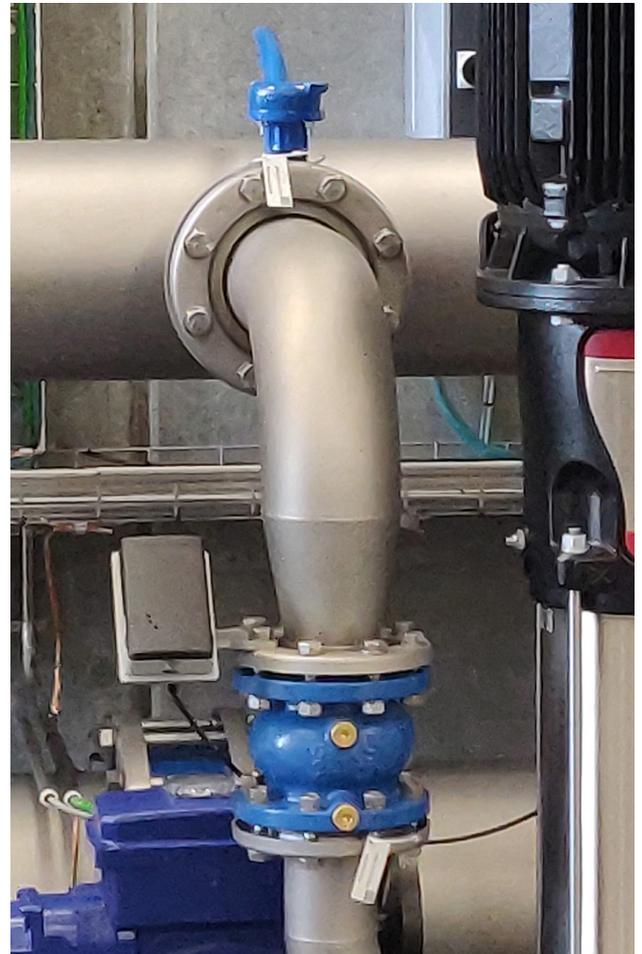
Products Used

Sylax butterfly valve



BAR AGTURN actuators

402 non-return valve



Example of 402 and butterfly valve installation



Watts

At Watts we have one of the widest product ranges in the industry and our products improve comfort, safety and the quality of life for people around the world.

Our range encompasses several well-known brands that form a key part of our product offer. Our experienced team can supply everything you need for your project whether it's plumbing or flow control solutions, water quality and conditioning or HVAC you'll find a Watts product that meets your needs with full support available across the entire product range.

For more information about SOCLA products please call 01480 407074 or email us on wattsuk@wattswater.com

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