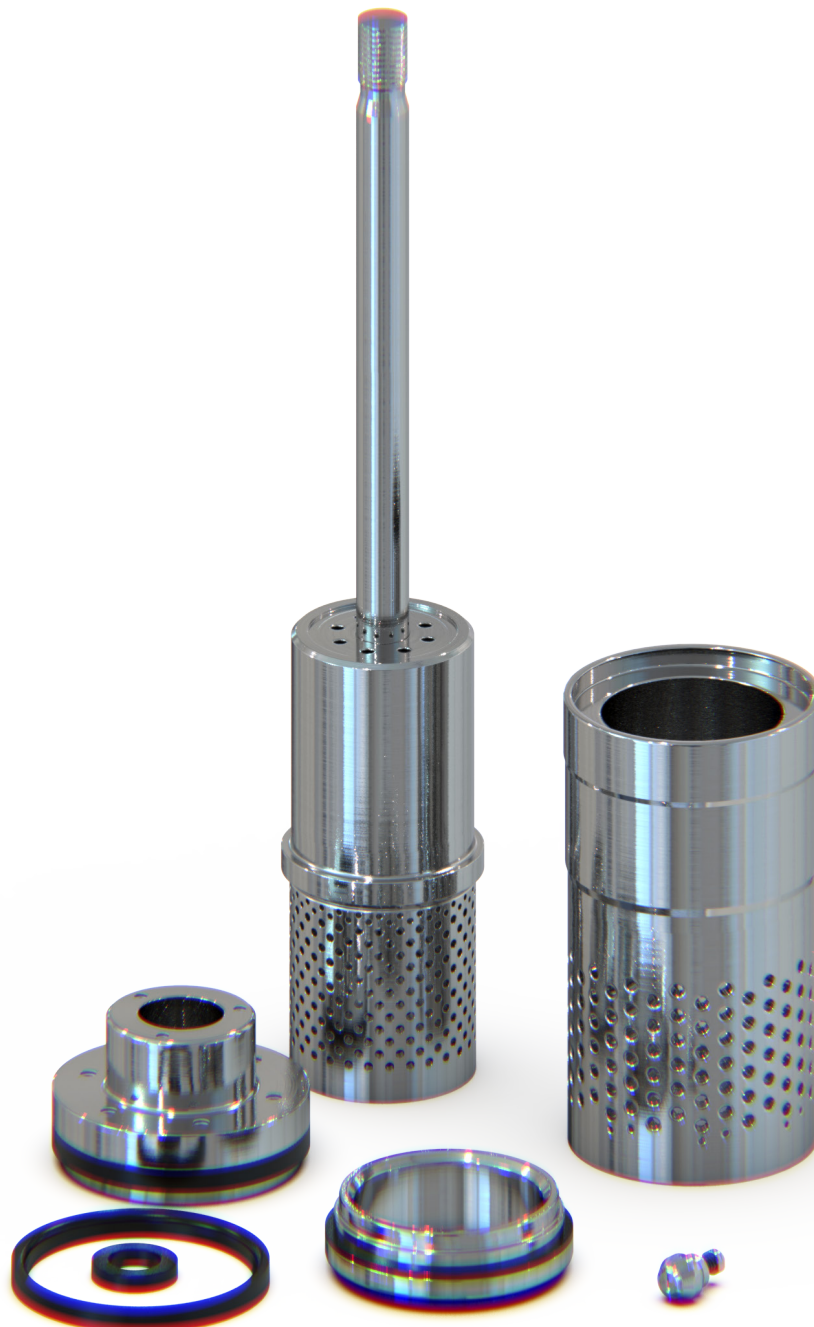


BVT

Spare parts and retrofits



About us

BVT Sweden was started with the ambition of becoming world leading in critical applications in process steam and thermal power plant turbine bypass. Based in Säfte, BVT Sweden employs experts with over 30 years experience in turbine bypass, steam conditioning, temperature control, design and manufacturing processes. We design turbine bypass valves, select actuation to fit our customer's requirements. Our products are optimized on a per-order basis, and we have the experience necessary to design special solutions. These products cover steam conditioning valves, pressure reduction valves, stop valves, desuperheaters and spray water control valves.

Retrofitting and spare parts

With our extensive experience and knowledge in valve / desuperheater design, BVT Sweden can supply our customers with both retrofitted and spare parts that are 100% fit-form-function compatible with IMI CCI / BTG parts.

- ✓ We use the latest state-of-the-art design and manufacturing processes for all our retrofit parts for trouble-free operation. Our parts are manufactured in Sweden.
- ✓ We offer 24 months guarantee on delivered critical trim parts.
- ✓ We always strive towards short response time and lead time, and keep common replacement parts on stock.
- ✓ We always provide the best technical solution for each situation, not merely providing copies of the existing parts. Parts can be redesigned or upgraded in order to improve valve control.

Sealing rings

Our supplier have been manufacturing graphite rings for the valve industry since the early 1970's and deliver to customers all over the world. Rings are handcrafted by experienced personnel from graphite flakes that have been expanded through a heating process and converted into a graphite foil. The rings provide permanent elasticity and superior strength, thermal conductivity and spring-back resilience.

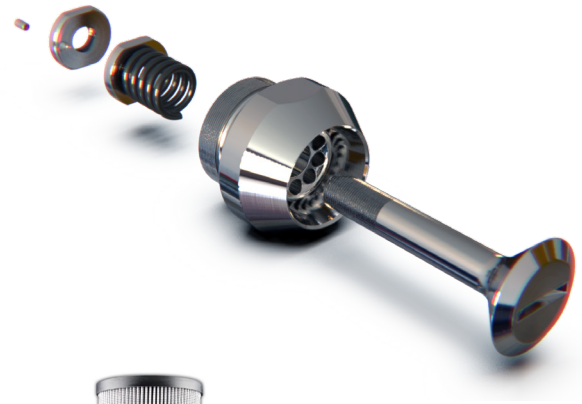
- ✓ < 25 ppm chloride contents as standard (< 10 ppm for nuclear grade)
- ✓ Sulphur level limited to 300 ppm, with very low halogen levels
- ✓ Up to 99.85% purity
- ✓ Very high resistance to oxidation in high temperatures (< 3% at 670 °C)
- ✓ Self lubricating with low friction



Spring-loaded atomizing nozzles

BVT can provide spray nozzles as replacement for the BTG OP nozzle. These come in a range of sizes and spring pre-load strengths tailored to the customer's desuperheating needs. With over 30 years experience in desuperheating, BVT can also provide support in questions regarding application and temperature control, and can provide alternatives in situations where the existing nozzles are unsuitable. BVT atomizing nozzles are available for the BTG VLB steam conditioning valve and the BTG DAM desuperheater.

- ✓ 100% compatible replacement for OP nozzles
- ✓ Spring preloaded to suit capacity and requirements and to avoid flashing of spray water
- ✓ Calibrated and tested prior to delivery



Hydraulics

BVT Sweden provides sealing kits for hydraulic actuators, filters for Hydraulic Supply Units, spare solenoids, directional- and directional proportional valves, and various electrical components.

Existing hydraulic installations can also be retrofitted with new cylinders and intelligent positioning system. Our hydraulic cylinders are by standard equipped with magnetic micro-pulse transducers with high level accuracy.



Trim parts

BVT can also replace steel parts in severe service valves and desuperheaters, including but not limited to plugs, seats, cages and bonnets.

- ✓ Our parts are 100% interchangeable with existing trim parts
- ✓ Manufacturing is done in Sweden with supervision and support from our design engineer experts
- ✓ We can offer improved solutions in cases where existing parts are suffering from wear and erosion, improving trim life time and reduced need for maintenance
- ✓ Wear resistant stellite coating is applied to seat and plug sealing surfaces