

BUTTING CryoTech: Perfection in cryogenics

Founded in 1899, BUTTING CryoTech, former SCHWANNER, evolved into one of the globally leading MSE specialising in cryogenic technology. Since 1984 the family-owned business has produced vacuum insulated transfer systems and valves for cryogenic gases.

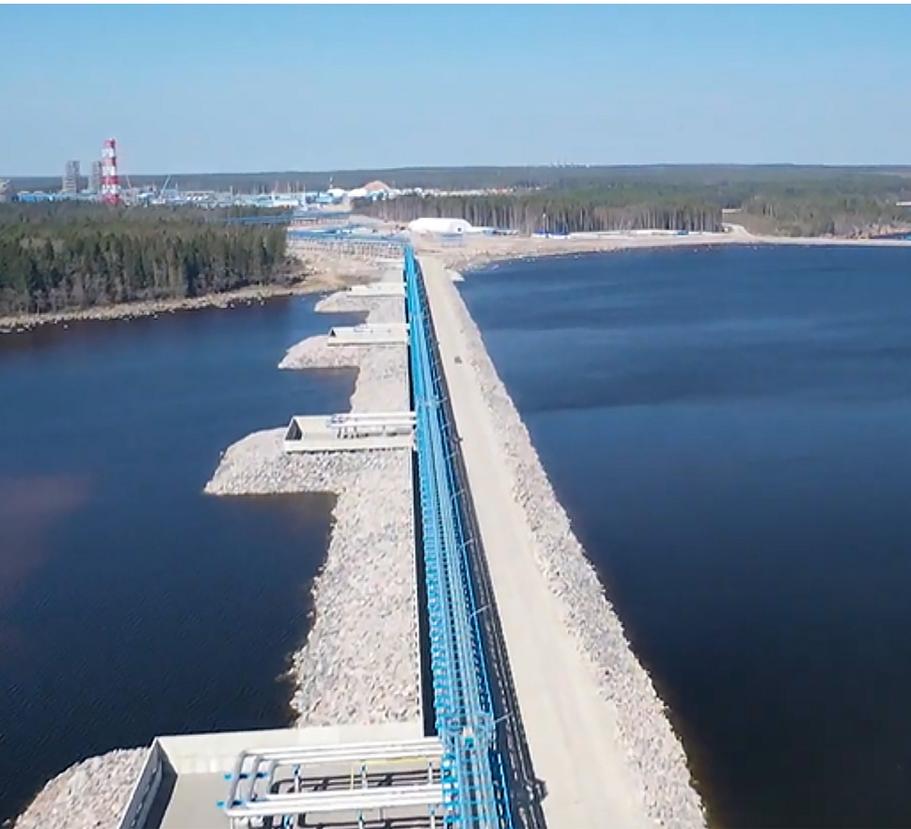
In 2021, Schwanner GmbH was admitted as a full member to the BUTTING Group and has been operating under the name BUTTING CryoTech since 2023.

Today, the company in the upper Bavarian rural district of Altötting offers you primarily the following services:

- Vacuum insulated piping (VIP)
- Valves for cryogenic applications
- Apparatus construction in accordance with EN 1090 and WHG (German Federal Water Act)



BUTTING



Standardised vacuum insulated piping (VIP)

Transfer lines combine vacuum and multi-layer insulation for minimum heat input and maximum efficiency when transferring cryogenic fluids.

Integrated compensators, getter material and spacers with the lowest thermal conductivity ensure safety and durability.

Valves for cryogenic applications

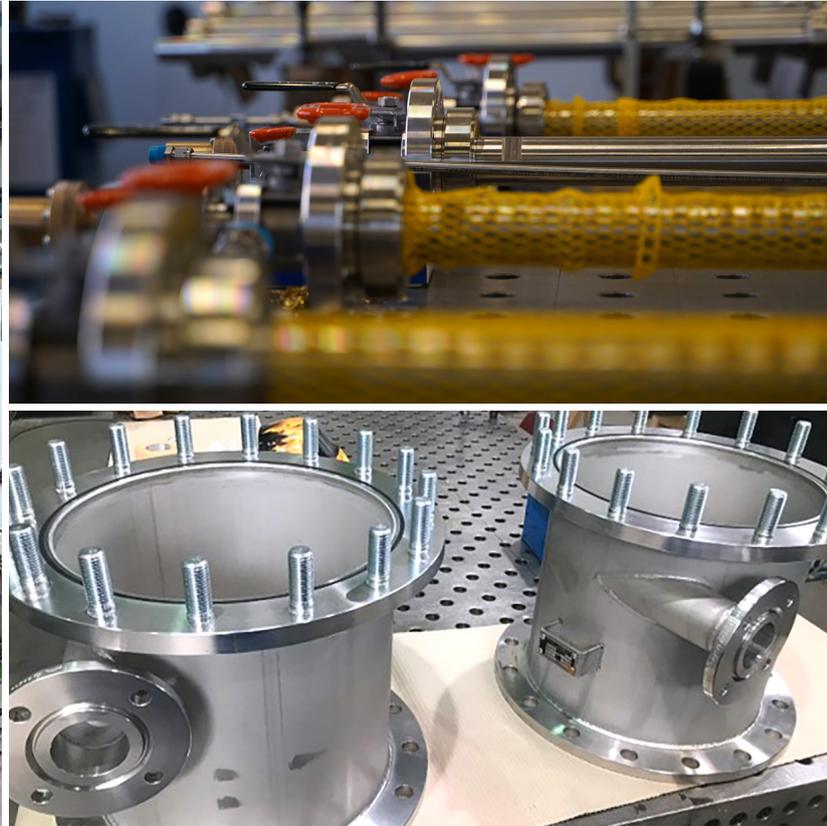
Since 1990, BUTTING CryoTech has produced more than 25 000 valves for projects worldwide. These are used in pressure ranges of PN 10/25/40/63 up to 400 bar. In the dimensional range of 1/8" (DN 6) to 12" (DN 300) our customers can choose from valves in various versions:

- Hand-operated version
- Pneumatically actuated
- Controlled with automatic actuator
- Bellow sealed
- Fully integrated in vacuum-insulated system



The advantages for you:

- Completely integrated in the vacuum insulation
- Exchange of insert part
- Connection according to customer requirements
- Very short delivery times
- Modular system with storage of critical components



Apparatus construction in accordance with EN 1090 and WHG

We manufacture stainless steel constructions and vessels for the storage, filling, transfer and production of water-polluting liquids for a wide range of purposes. Individual solutions are fabricated according to customer requirements, e.g.

- Spools
- Collecting troughs
- Drainage channels
- Linings
- Collecting shafts (optionally with pipe connections)
- Splash guards

- Monitoring and acceptance of our products (TÜV-certified)
- Processing of stainless steels and special materials (e.g. Fe, Ni, Cu, Cr, V and Mo alloys, high-alloy nickel steels)
- Processing of aluminium materials
- Welding (TIG, MAG, TIP TIG, MIG, orbital, roll seam)
- Supplementary production processes, such as cutting to size, trimming (up to 4.3 m)
- Spray pickling (up to 12 x 3 x 2.5 m) and full bath pickling (up to 1 x 0.7 x 0.7 m)
- Quality assurance, including material inspection: Radiographic testing, dye penetrant inspection, visual inspection and spectroscopic analysis





VIP – valve skids

The insertion of cryogenic fittings with bellows seals into the vacuum-insulated transfer lines requires their perfect integration into the insulation system. BUTTING CryoTech implements this with its internally developed, innovative cryogenic valves.

This guarantees absolute tightness and very low evaporation rates in the complete system.

Our wide range of technical versions with nominal diameters of up to 12" (DN 300) covers every conceivable application.

Approvals:

- ISO 9001:2015
- ASME B 31.3
- EN1090 EXC3
- TRCU 032/2013
- ADR
- DNV Certificate – Welding Workshop Approval Certificate
- WHG-Approval
- TÜV EN ISO 3834-2
- TÜV EN 13445-4 and EN 13480-4
- TÜV Modul A2 Apparatus and Pipelines
- TÜV Modul A2 Valves for Cryogenic Applications



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