



Cryogenic excellence

Founded in 1899, BUTTING CryoTech has grown from a small business into a world-leading medium-sized company based on the expertise and commitment of its employees. Our core business is the design and manufacturing of high performance cryogenic technology that enables our customers to use cryogenic media safely and reliably.

The product portfolio of BUTTING includes:

- Super-insulated piping systems: double-walled, vacuum-insulated, multi-layer insulation (MLI), pipe sizes from ½" to 36"
- Super-insulated hose and compensator systems: double-walled, vacuum-insulated, with MLI, sizes from ½" to 24"

- Vacuum-insulated pipe couplings, plug-in couplings, quick-release couplings for hydrogen refueling (both liquid and gaseous) and welded couplings
- Valves, both with and without vacuum insulation, for low-temperature applications: control valves, check valves and shut-off valves
- Skid solutions as attachments for trailers for road transport or containers for transport by sea as well as pre-tested system components for stationary operation
- In-house engineering and product development for the most complex requirements for cryogenic components and projects for our customers



BUTTING

Hydrogen dispenser skid



Advantages

- Durable and sustainable
- All components from one source
- Entire unit pre-tested
- Calibrated measurement
- Flow can be customized according to customer requirements
- Modular design

Vacuum jacketed pipelines (VJP)



Advantages

- Durable and sustainable
- Superb insulation
- No added insulation required
- Several coupling types available
- Prefabricated spools
- Available sizes ranging up to 36"

Cryogenic valves



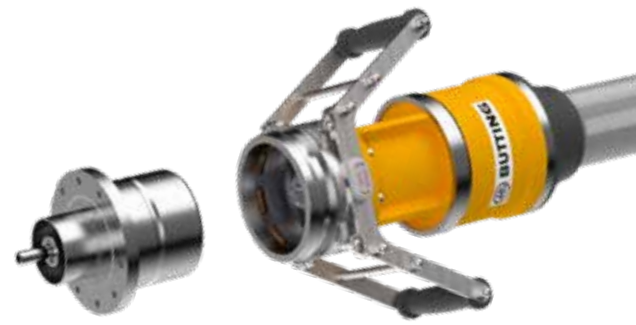
Advantages

- Easy maintenance and part replacement due to modular design
- Available for all cryogenic media, including O₂ & H₂
- Connection according to customer specifications and requirements
- Readily available spare parts due to high stock of critical components
- Installation with or without vacuum insulation
- Special variants available according to ISO 9100

Cryogenic components



In-line temperature probes (left) and flow meter (right)



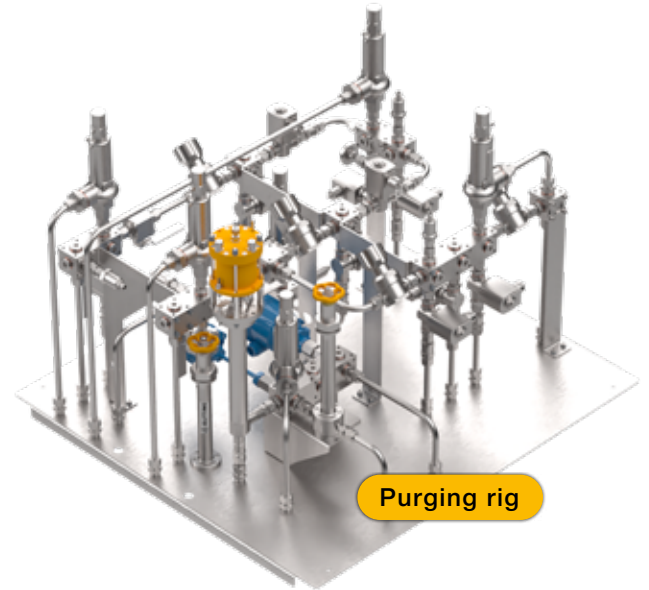
Liquid hydrogen refueling coupling



Phase separator



Filter extension



Purging rig

Cryogenic Services

- On-Site welding and commissioning
- Maintenance
- Complete documentation & manuals
- Engineering of complex pipe networks
- Development of new products
- Calculations of flow & temperature models





Our focus and customers

Our focus is the development and production of cryogenic solutions that are irreplaceable for a wide range of industries. We supply customers from the energy, aerospace, research, chemical, industrial gas production, automotive, food and beverage industries as well as research institutes and universities.

Our aim is to focus on our customers' requirements and offer customized, future-proof solutions. Our vacuum-insulated piping, cryogenic valves, components as well as skid systems and dispensers are valued worldwide.

We rely on long-standing partnerships and strive to continuously improve our products and processes. With innovative technologies and close customer relationships, we create products that offer maximum safety and reliability under extreme conditions.

- Innovative solutions
- Customer-centric
- Experienced professionals
- Focus on sustainability
- Timely delivery
- Exceptional support
- Family owned & operated