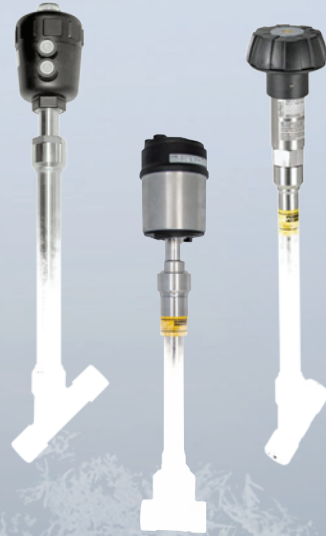


# Burkert Cryogenics



**bürkert**  
FLUID CONTROL SYSTEMS

# Cryogenic Systems

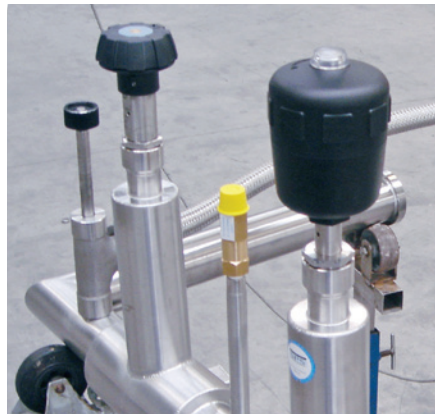
For high quality cryogenic and gas applications

## Partner, Understand, Provide

At Burkert Fluid Control Systems we strive to satisfy the most challenging Cryogenic customer needs quickly and reliably. We do this globally with innovative high-quality cryogenic products suitable for on-off service, system solutions, and comprehensive services.

Burkert products and systems can be used wherever cryogenic fluids or gases need to be measured, controlled, and regulated. Whether the application is filling, level, flow, or pressure we have a solution and a uniquely comprehensive range of products to handle it, including on-off manual and pneumatic extended stem angle seat and globe valves, positioners and process controllers for the integrated mounting on process valves with Profibus, DeviceNET, and AS-interface communication available, and vacuum jacketed valves and piping.

Burkert's level of competence is present in over 35 countries with more than 60 years of experience in the industrial fluid and gaseous control markets. We are committed to offering our expertise wherever it is needed, anywhere in the world. Our global presence ensures that Burkert Fluid Control Systems advances in technology are also global.



High vacuum insulated piping systems



Customer installation



Gas box

### Applications:

- Cryogenic down to  $-425^{\circ}\text{F}$
- $\text{LN}_2$ ,  $\text{O}_2$ , Ar,  $\text{CO}_2$ , He,  $\text{H}_2$ , LNG
- Liquefied Gases
- LNG Storage and Distribution
- Food Processing – Lyophilization Systems
- Dewars and Tanks
- Vacuum Jacketed and Non-Jacketed Piping Systems
- Automatic Filling Stations
- Air Separation
- Medical Facilities



# System Solutions



## 2/2 Way Angle Seat Valves: 3/8" – 2" Orifice

The externally piloted angle-seat valve is operated with a single or double-acting piston actuator. The actuator is available in two different materials, depending on the ambient temperature.

High flow rates are attained with the stainless steel 2-way body.

The reliable self-adjusting packing gland provides high sealing integrity. These maintenance-free and robust valves can be retro-fitted with a comprehensive range of accessories for position indication, stroke limitation or manual override.

Type 2000



## Modular Process Valve Systems for Cryogenic Applications

The new ELEMENT line allows high performance in wash-down process areas, and combined with advanced control possibilities like decentralized electro-pneumatic on/off or continuous control, including fieldbus communication systems. With available features including backlit graphic displays and LED indicators, these rugged valves may look pretty but are built tough for the stringent demands of the cryogenic industry.



- PED and CRN Approved
- All Valves Cleaned for Oxygen Service
- Packed or Bellow Seal Stem Packing



## Manual 2/2 Way Angle Seat Valves: 3/8" – 2" Orifice

The manually operated angle-seat valve offers a reliable self-adjusting packing gland providing high sealing integrity. These maintenance-free and robust valves offer high flow rates with the stainless steel 2-way body in Cryogenic applications up to 232 PSI and -425°F.

Type 2000 manual



Filler



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