

PRODUCT TECHNICAL BRIEF

LeakLab Cryo Vacuum and Leak-Test System for Cryogenic Vessels

LeakLab Cryo Vacuum and Leak-Test System for Cryogenic Vessels - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical and Project Information

Automated pumping and leak-test platform for vacuum-insulated cryogenic vessels and mobile tanks. The source concept combines a dry screw backing pump, ULVAC MBS-053 booster and CBVAC turbomolecular stage.

LeakLab Cryo Vacuum and Leak-Test System

LeakLab Cryo is an engineered service or production platform for evacuating insulation spaces and supporting helium leak testing of vacuum-insulated vessels.

Source three-stage concept

- CBVAC SSH20 dry screw backing pump
- ULVAC MBS-053 mechanical booster
- CBVAC 80/63 turbomolecular high-vacuum stage

The final arrangement must be engineered from insulation-space volume, port conductance, water load, required pressure, available utilities and allowed service time. Valves and bypasses must keep every pump within its permitted inlet and foreline range.

The system scope can include moisture trapping, gauges, helium detector connection, automated sequencing, data logging and acceptance testing. Pump models may be substituted only after conductance, backing and control review.

Cryogenic vessels involve pressure, oxygen-deficiency, stored-energy and product-specific hazards. Evacuation and leak testing must be coordinated with the vessel manufacturer, applicable transport or pressure-equipment rules and a site-specific safety procedure.

- Vacuum Pumps Atmosphere-to-High-Vacuum Dry Pumps High-Vacuum Pumping Stations Ion Pumps KYKY RV Rotary-Vane Pumps Roots Booster Pumps Screw Vacuum Pumps Tank Evacuation Systems Turbomolecular Pumps
- Atmosphere-to-High-Vacuum Dry Pumps
- High-Vacuum Pumping Stations
- KYKY RV Rotary-Vane Pumps
- Roots Booster Pumps
- Screw Vacuum Pumps

- Tank Evacuation Systems
- Turbomolecular Pumps
- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: LeakLab Cryo Vacuum and Leak-Test System for Cryogenic Vessels

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.