

PRODUCT TECHNICAL BRIEF

Controlled Gas-Pressure and Evacuation System

Controlled Gas-Pressure and Evacuation System -
LeakLab solutions for leak testing, vacuum systems and
test equipment.

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Technical and Project Information

Application-specific manifold for evacuating a product, admitting helium or inert gas at controlled pressure, preparing gas mixtures and recovering or venting test gas. Pressure rating and safety architecture are engineered for the service.

This system prepares products for leak testing by evacuation, tracer-gas filling, pressure stabilization and controlled removal of used gas. A final working-gas fill can be included only when compatible with the equipment and site rules.

- Vacuum pump, isolation and pressure measurement
- Gas regulators, valves, filters and rated manifold
- Mass-flow or mixing equipment where a defined blend is required
- Relief devices, vent or recovery connection and purge logic
- Interlocked control, recipe logging and functional testing

Specify every gas, source pressure, maximum product pressure, fill rate, cleanliness class, allowed materials and discharge destination. Components rated for vacuum are not automatically suitable for positive pressure.

Helium displaces oxygen; hydrogen-containing mixtures and oxygen service introduce additional hazards. Relief protection and safe-state functions must remain effective independently of the control software.

- Vacuum Components Gas-Filling Stands for Testing KYKY Vacuum Gate Valves Vacuum Bellows Vacuum Test Chambers Vacuum Valves
- Gas-Filling Stands for Testing
- KYKY Vacuum Gate Valves
- Vacuum Test Chambers
- 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: Controlled Gas-Pressure and Evacuation System

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