

PRODUCT TECHNICAL BRIEF

LeakLab 100/300 High-Vacuum Pumping Kit

LeakLab 100/300 High-Vacuum Pumping Kit - LeakLab solutions for leak testing, vacuum systems and test equipment.

[Open the current source page](#)



Technical and Project Information

Configurable pumping kit for evacuating vessels and test chambers before helium leak testing. The package combines a nominal 300 L/s turbomolecular stage with a selected backing pump, valves, gauges and control equipment.

This package provides auxiliary evacuation for vessels, chambers and test fixtures that should not be pumped down through the leak detector alone. The 100/300 designation refers to the nominal inlet class and turbomolecular pumping-speed class used in the source configuration.

- Approximately 300 L/s turbomolecular pump with nominal DN100 inlet
- Backing pump sized for volume, gas load and cycle time
- High-vacuum and foreline valves, venting and pressure measurement
- Controller, interlocks, frame and connection kit
- Optional port for a helium leak detector or reference leak

Effective chamber speed will be lower than the pump's nameplate speed and depends strongly on line conductance. Ultimate pressure and pump-down time must be calculated from chamber volume, outgassing, leakage, line geometry and process gas.

The final quotation must state pump models, flange standards, backing speed, cooling, mains supply, purge, interfaces, exhaust requirements and guaranteed acceptance-test conditions.

- 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 100/300 High-Vacuum Pumping Kit

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