

PRODUCT TECHNICAL BRIEF

LeakLab V125 Helium Vacuum-Chamber Leak-Test System

LeakLab V125 Helium Vacuum-Chamber Leak-Test System - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Nominal chamber volume	125 L
Source concept high-vacuum stage	Approximately 300 L/s turbomolecular pump
Source concept backing stage	Approximately 6 L/s
Source concept chamber pressure	Down to approximately 1×10^{-2} Pa; guaranteed value depends on the final design and test conditions

Technical and Project Information

Project-configured 125 L vacuum-chamber system for integral helium leak testing. Chamber, pumps, valves, detector interface, tracer-gas handling, fixtures and automation are engineered for the product and acceptance cycle.

The V125 is a nominal 125 L chamber platform for integral testing of components filled or dosed with helium. It can quantify total tracer-gas flow into an evacuated chamber when the test cycle, background control and calibration are validated.

The system is engineered around product dimensions, maximum pressure, helium charge, required detection limit, throughput and background recovery. Fixtures, lid actuation, guards, pressure relief, evacuation, venting and interlocks must be included in the risk assessment.

No universal leak-rate sensitivity or standard compliance is implied. Acceptance performance must be demonstrated using the defined test piece, reference leak, background level and calibration procedure.

- Leak Detectors Leak-Test Systems Portable Helium Leak Detectors Pressure-Change Leak-Test Instruments Helium Mass-Spectrometer Leak Detectors
- Portable Helium Leak Detectors
- Pressure-Change Leak-Test Instruments
- Helium Mass-Spectrometer Leak Detectors

- 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 V125 Helium Vacuum-Chamber Leak-Test System

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