

Helium-in-Air Leakage Testing

Advanced technologies with testing down to 10⁻⁵ mbar l/s

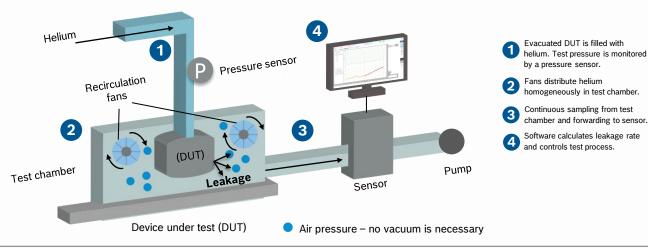
TCO-optimized, precise leak test, in which temperature influences do not play a role

With our helium-in-air test method we offer you a reliable and precise leak test without a vacuum chamber.

Thanks to its ingenious layout, the test bench can be used for optimized and fast testing of a wide variety of products - including materials and test object features that are not compatible with vacuum technology, such as foams, oily and/or damp surfaces as well as battery cells. Once you have measured a leakage on the entire volume, the integrated sniffer probe helps you locate it precisely.

100% Leakage Testing of various products For example:

- ► E-Machines and eAxles
- ► Combustion engine components
- Battery modules and packs
- ► Heat pumps, hydraulic pumps, gasoline pumps...
- ▶ Vehicle Control Units
- Fuel Cell components and systems



Helium in Air Leakage Testing

Portfolio

Focus Technology

ATMO's Helium-in-Air Leakage Testing

- ▶ Testing down to $10^{-4}...10^{-5}$ mbar·l/s ($c_g/c_{gk} \ge 1.33$)
- No vacuum test chamber needed
- Test pressure up to 6 bar rel. (higher pressure on request)

- Gross leak detection at test item evacuation
- ► Temperature-independent test
- Independent of humidity and/or oil on test item surfaces

Products

- Ready to test & calibrated setup
- Safety/test chamber of approx. 100 I
- Extensive software for leakage testing
- ► Easily parametrizable & automated test processes
- Visual user guidance & sophisticated data evaluation routines

Options

- Enhanced training in Leakage Testing
- Custom-tailored test chamber & test item interface
- Reference leak
- ▶ MES data connection

BOSCH ::: Leakage-Testing

Services

From process development to series test benches – we are your reliable partner in every phase of the product life cycle.

- Consulting
- Basic leakage training
- Feasibility studies
- Process development
- Calibration
- Rent a tester, rent a lab





