

Helium leakage test device HLT 160/560

Technical Data

- Mass spectrograph for atomic weights 1 - 4 (hydrogen, helium),
- Sniffing sensor for local leakage search with a resolution of up to 10^{-8} mbar·l/s
- Tightness/permeation measuring with helium and hydrogen against vacuum with a resolution of up to 10^{-12} mbar·l/s
- Evacuated test chambers for sample sizes of 50 x 50 mm and 100 x 100 mm, extension for larger samples possible
- Pressure decrease measuring up to 10 bar excess pressure, resolution up to 10^{-4} mbar·l/s

Employment Area/Application

- Leakage search at closed structures by means of sniffing sensor
- Testing for tightness of mechanically joined/adhered joining connections (e.g. blind rivets, retaining ring bolts) in single and multi-element samples
- Measuring leakage/permeation rate of basic materials, e.g. FGC and PTFE foils against helium



Helium leakage test device HLT 160/560 with sniffing sensor for leakage search



Vacuum/excess pressure cylinder for measuring tightness of adhesion and mechanically joined connection samples in connection with the helium leakage test device



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