Vacuum Solution

EVP Helium Mass Spectrometer Leak Detector

ESFJ series helium mass spectrometer leak detector

Product introduce:

ESFJ series helium mass spectrometer leak detector is learn from foreign advanced leak detection technology and our own design experience. The key components are imported, it has stable and reliable performance. It not only has high sensitivity, but also has the advantages of convenient operation, auto switching of two filaments, auto-zero, auto calibration, and auto range switching, it already reaching the international advanced level at present.

Model	ESFJ-211	ESFJ-231	ESFJ-261	ESFJ-271
Min. detectable leak rate for He ($Pa \cdot m^3/s$)	5×10^{-12}	1×10^{-13}	5×10^{-13}	2×10^{-13}
Leakage rate display range ($Pa \cdot m^3/s$)	$1\times10^{-3} \sim 1\times10^{-12}$	$1\times10^{-3} \sim 1\times10^{-12}$	$1\times10^{-3} \sim 1\times10^{-13}$	$1\times10^{-3} \sim 1\times10^{-13}$
Start time (min)	≤2	≤2	≤2	≤3
Response time (s)	< 1	< 1	< 1	< 1
Max. inlet test pressure (Pa)	1330	1500	1500	1500
Ultimate vacuum (Pa)	5×10^{-4}	5×10^{-4}	5×10^{-4}	5×10^{-4}
Dimensions (mm)	645*678*965	645*678*965	590*484*322	590*484*322

Performance characteristics:

Easy operate,only two key buttons(Leak detection and degassing)to be operate

Multi-port molecular pump from Germany
Dual filaments,auto switch from one to another
Auto-zero auto calibration
Auto range switching
Valve detection with PPM function
Full-automatic control, colour touch screen，powerful

Major dispositions:
Molecular pump of Germany Pfeiffer brand
Sensor of PSG500 brand
Solenoid valve of Germany Burkert Brand
Mechanical pump (D16C) of Germany Leybold brand
Imported amplifier
Standard leak hole (Including calibration certificate)