

2.1 Basic Parameters	ZQJ-3300	ZQJ-3301	ZQJ-3302 desk type
Dimensions, mm(L×W×H)	872×490×1032	872×490×1032	543*421*359
Weight kg	140	140	55
Inlet Port	KF25		
Primary Pump Exhaust Port	KF25		
Maximum Vent Port Pressure	1.1×10 ⁵ Pa		
Protection Class	IP30		
2.2 Electrical Parameters			
Supply Voltage	AC220V±10%, 50Hz 50Hz		
Rated Power	2000W		
Overvoltage Category	II		
2.3 Environmental Parameters			
Storage Temperature	-10°C~+55°C		
Operating Temperature	+5°C~+45°C		
Relative Humidity	<80%		
Application Site	Indoor (altitude < 2000 m)		
Noise	<70dB		
2.4 Detection Parameters			
Leak Detection Modes	Vacuum mode / Sniffer mode		
Start-up Time	< 3 minutes (TMP start-up time)		
Maximum Inlet Port Pressure	2200 Pa (±10 %)		
Filaments	2 (iridium filaments with yttrium oxide coating)		
Vacuum Mode			
Minimum Detectable Leak Rate	Helium : 5×10 ⁻¹³ Pa.m ³ /s		
Maximum Detectable Leak Rate	Helium : 1×10 ⁻² Pa.m ³ /s		
Measuring Ranges	Gross Leak : 10 ⁻² ~10 ⁻⁷ Pa.m ³ /s		
	Normal : 10 ⁻⁷ ~10 ⁻¹⁰ Pa.m ³ /s		
	High Sensitivity : 10 ⁻¹⁰ ~10 ⁻¹³ Pa.m ³ /s		
Display Units	Pa.m ³ /s、mbar.l/s、Torr.l/s、Atm.cc/s、sccm、sccs、mTorr.l/s		
Tracer Gas	Helium		
Response Time	≤1 s		
Sniffer Mode			
Minimum Detectable Leak Rate	Helium : 5×10 ⁻⁸ Pa.m ³ /s		
Maximum Detectable Leak Rate	Helium : 1×10 ⁻² Pa.m ³ /s		
Measuring Ranges	10 ⁻⁸ ~10 ⁻² Pa.m ³ /s		
Display Units	Pa.m ³ /s、mbar.l/s、Torr.l/s、Atm.cc/s、sccm、sccs、mTorr.l/s		
Tracer Gas	Helium		
Response Time	≤3 s (with 3 m sniffer line)		
2.5 Communication Interfaces			
I/O Interface	DB37-M(see Appendix A)		
RS485	DB9-F(see Appendix A)		
RS232	DB9-F(see Appendix A)		
2.6 Primary Pump			
Rotary Vane Pump	Pumping speed: 4L/s	VSPL15, 4L/s	GHD-031, (Ulvac)
2.7 TMP			
SplitFlow80 TMP	Pumping speed for N ₂ : 60L/s		