

TAPIR HL 2216 A

Leak detector



High performance

Highly sensitive leak detection, minimum detectable leakage rate of $5 \cdot 10^{-10}$ Pa · m³/s in sniffing mode, rapid response time due to high pumping speeds, for almost all applications, spray test and sniffing leak detection with helium or hydrogen

Control and monitoring

High definition color display for maximum readability, intuitive menu navigation, SD memory card for saving and downloading all relevant data, customizable parameter settings

Reliable

Dependable operation due to redundancy of two long-life yttrium-coated iridium filaments

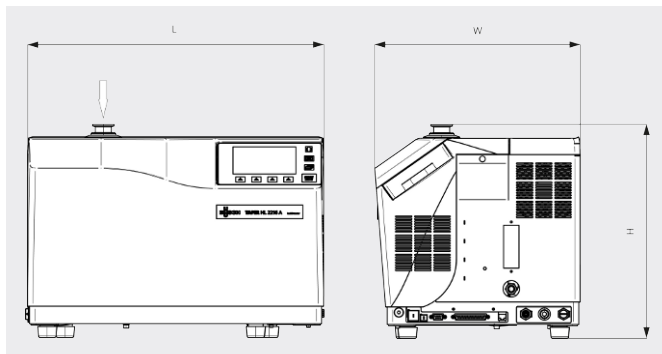
Accessories

- Helium spray gun kit
- Sniffing probe
- Inlet filter 5 µm
- Inlet filter 40 µm
- Transport Trolley
- Power connection, 2.5 m, UK

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Dimensional drawing



TAPIR HL 2216 A	
Pumping speed for helium	2.5 l/s
Response time (sniffing leak detection)	< 1.5 s
Minimum detectable leakage rate for helium (spray test)	$5 \cdot 10^{-13} \text{ Pa} \cdot \text{m}^3/\text{s}$
Minimum detectable leakage rate for helium (sniffing leak detection)	$5 \cdot 10^{-10} \text{ Pa} \cdot \text{m}^3/\text{s}$
Detectable gases	^4He ; ^3He ; H_2
Test method	Spray test and sniffing leak detection
Start-up time (20 °C) with calibration	< 4.5 min
Start-up time (20 °C) without calibration	~ 3 min
Backing pump	Oil-lubricated rotary vane vacuum pump
Pumping speed of backing pump (50 Hz)	15 m ³ /h
Max. power consumption	850 W
Power supply	200–240 V (50/60 Hz) 100–110 V (50/60 Hz) 90–130 V (50/60 Hz)
I/O interfaces	RS-232; USB; configurable 37 pins I/O
Operating temperature (sniffing test)	0–40 °C
Operating temperature (spray test)	0–45 °C
Noise level (ISO 2151)	54 dB(A)
Weight approx.	56 kg

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VACUUM SOLUTIONS

TAPIR HL 2216 A	
User interface	Color touch screen (detachable)
Dimensions (L x W x H)	547 x 375 x 393 mm
Connecting flange	DN 25 ISO-KF

DO YOU WANT TO KNOW MORE?

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