

TAPIR HL 2216 A

Leak Detectors



DISCOVER ALL ADVANTAGES
OF THE TAPIR HL SERIES

High performance

High helium vacuum sensitivity of $5E-12 \cdot \text{mbar l/s}$ and sniffing sensitivity of $1E-9 \cdot \text{mbar} \cdot \text{l/s}$. Automatic gross, normal and fine vacuum leak test modes for flexibility starting at 25 mbar. The internal $18 \text{ m}^3/\text{h}$ roughing pump works better with larger volumes and achieves faster pump downs. High 2.5 l/s helium pumping speed at the test port results in a quick response and short recovery time.

Control and monitoring

Single button startup and shutdown with complete auto calibration using an internal helium calibrated leak. RS 232, an optional expanded I/O interface board, makes it ideal for repetitive high production testing and for vacuum checking very large volumes. The controller can be used to optimize the leak detector parameters for your needs. An SD memory card can be inserted in a slot to store and transfer relevant data.

Reliable

Dual long-life Yttria coated iridium filaments with multi-channel plate electron multiplier for extended performance.

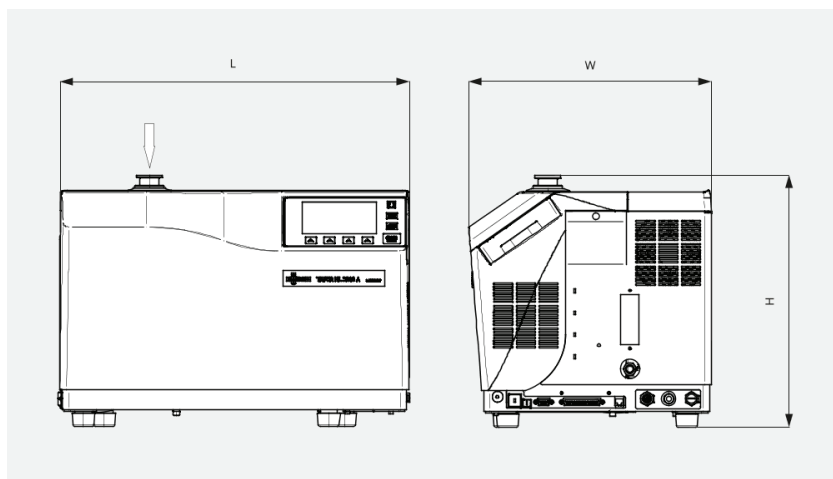
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VACUUM SOLUTIONS

Dimensional drawing



Product number	Description
0659230711	TAPIR HL 2216 A - 110/130 VAC 50/60 Hz
0995230816	Helium spray kit
0659230817	Sniffing probe, 5 m hose, 9 cm long tip
0945232413	Inlet Filter 5 µm (KF25)
0945936278	Inlet Filter 20 µm (KF25)
0945232414	Inlet Filter 40 µm (KF25)
0943936109	4-wheel cart for HL 2216

Technical data	Unit type	Value / description
Max helium pumping speed at inlet test port	l/s	2.5
Sniffer response time with 5 meter/16 ft. probe	sec.	1
Helium minimum detectable leak for vacuum	mbar l/s	5×10^{-12}
Helium minimum detectable leak for sniffing	mbar l/s	5×10^{-9}
Detectable tracer gases		^4He , ^3He , H_2
Start up time (20 °C) without calibration	min	~3
Start up time (20 °C) with calibration	min	<4.5
Roughing/backing pump type		Oil-sealed rotary vane
Peak Pumping Speed @ 60Hz	m ³ /h (cfm)	18 (10.5)
User interface		Color touch screen (detachable)
I/O interface		RS232 9 pin, RS232 on USB port, discrete I/O
Power supply	VAC @ 50/60 Hz	90 - 130
Max. power consumption	watts	850
Ambient operating temperature	°C (°F)	0 - 40 (32 - 104)
Noise level	dB(A)	54
Weight (approximate)	kg (lbs)	56 (123)
Dimensions (L x W x H)	mm (in)	547 x 375 x 393 (22 x 15 x 16)
Inlet flange		KF25

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info@buschusa.com or 1-800-USA-PUMP



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