

OmniDetect

Leak test module

PFEIFFER 
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High performance

Low detection limits, fully automated measuring process

Proven

Tailor-made system solution from conception over production to service

Flexible

Modular design, individual configuration for specific process requirements

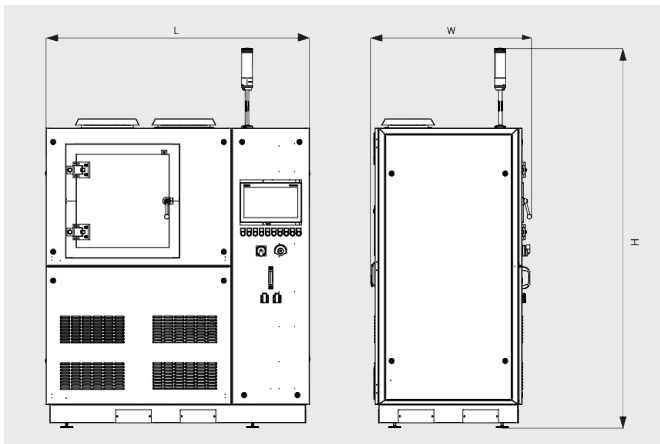
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Dimensional drawing



OmniDetect	
Test method	Integral vacuum test ("inside-out")
Tracer gases	He, He/N ₂ mixture or forming gas
Min. detection limit	$1 \cdot 10^{-7}$ mbar · l/s ¹
Ultimate pressure	$< 5 \cdot 10^{-6}$ mbar
Min. cycle time	2 min (DN300), 3 min (DN500) ²
Test pressure (absolute)	Variable, up to 50 bar ³
Chamber size	Cubic DN300 or cubic DN500
Leak tester	ASI 35
Backing pump	Oil-lubricated (DuoVane) or dry (HiScroll)
Turbomolecular pump	Optional (HiPace 80 up to HiPace 300) ⁴
Calibration	Integrated He test leak
Degree of automation	Fully automated measurement process
User interface	PLC with full HD touch display
PLC interface	USB, Ethernet, OPC-UA
Part handling	Not included

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Operating time	7d x 24 h, if necessary or paragraphwise operation in R&D
Machine availability	> 97 %
Dimensions (L x W x H)	1800 x 1100 x 2400 mm ⁵

¹1 · 10⁻⁸ mbar · l/s possible for some configurations and with long evacuation times

²depending on pump configuration and required detection limit, calculated for test body with negligible evacuation and filling times

³customizable option up to 200 bar with additional design expenses

⁴customizable option up to HiPace 700, with additional design expenses and change of housing

⁵machine signal lamp can be demounted for transportation (transport height = 2.0 m)

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



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