



Leybold Phoenix L300i

Technical Specifications

	PHOENIX	L300i	L300i Dry	L300i Modul
Lowest detectable helium leak rate				
Vacuum operation	mbar l/s	$\leq 5 \cdot 10^{-12}$	$\leq 3 \cdot 10^{-11}$	$\leq 5 \cdot 10^{-12}$ a) / $8 \cdot 10^{-12}$ b)
Sniffer operation	mbar l/s	$\leq 1 \cdot 10^{-7}$	$\leq 1 \cdot 10^{-7}$	$\leq 1 \cdot 10^{-7}$
Maximum measurable helium leak rate				
Vacuum operation	mbar l/s	> 0.1	> 0.1	> 0.1
Measurement ranges		12 decades	12 decades	12 decades
Maximum permissible inlet pressure	mbar	15	15	15
Pumping speed during pumpdown, 50 Hz/ 60 Hz	m ³ /h	2.5 / 3	1.6/1.8	depending on pump configuration c)
Helium pumping speed in the vacuum mode	l/s	> 2.5	> 2.5	> 2.5
Time constant for the leak rate signal	s	< 1	< 1	< 1
Time until ready for operation	min	≤ 2	≤ 2	≤ 2
Power consumption	VA	420	350	200 c)
Inlet flange		DN 25 KF	DN 25 KF	DN 25 KF
Dimensions (W x H x D)	mm	495 x 456 x 314	495 x 456 x 314	495 x 456 x 314
Weight	kg	40	35.5	30 c)

a) with rotary vane pump TRIVAC D 25 B 25 m³/h [50 Hz]

b) with scroll pump 30 m³/h

c) for the complete range of appropriate vacuum pumps, please refer to the Oerlikon Leybold Vacuum full line catalog, chapter leak detecting instruments.





PROVAC

S A L E S

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Features & Benefits

- quick start up time
- extremely fast response
- high sensitivity
- most robust & reliable ion source
- flexible application areas
- lowest detectable leak rate for helium
- oil-free gas admission system
- helium contamination trigger
- integrated calibrated leak & automatic calibration
- trend/bargraph leak rate display
- transportation in any orientation
- maintenance friendly concept
- optional remote control unit

Applications

- quality assurance • automotive industry • research & development
- power plant engineering • analytical instruments • plant engineering
- semiconductor industry • high & ultrahigh vacuum technology
- series production testing • refrigerating & air conditioning industry