



 ASM 340

**Best in class leak detector for high reliability testing
in various applications, using helium and hydrogen**

Best in class leak detector for high reliability testing in various applications, using helium and hydrogen

Top performance

The new ASM 340 guarantees top performance in vacuum or sniffing leak detection for various applications – from maintenance to applications in small production environments. This dependable leak detector can be used both for qualitative localization of leaks as well as quantitative global or local testing.

The ASM 340 is characterized by its powerful pumping system and available in conventional or dry versions. Easy operation, ultra fast response time and short recovery time are among the outstanding features of this compact multipurpose unit. The ASM 340 is the perfect solution for everyday testing even in severe test conditions.

Easy operation

The detachable control panel with magnets enhances ergonomics for leak detection on medium or large size parts. Thanks to the wireless remote control RC 500 WL, the ASM 340 can easily be operated from a distance of up to 100 m.

More convenience

- First leak detector in its class to detect large leaks between 100 hPa and the inlet test pressure
- Sniffer probe with LEDs that indicate the measurement status and with a zero button facilitates sniffing leak detection
- Bypass option for the installation of an auxiliary primary pump
- Complete range of I/O and profibus communication available for an easy integration into production lines



Remote control RC 500 WL



Sniffer probe LP 505



Analytics



Industry



Research & Development



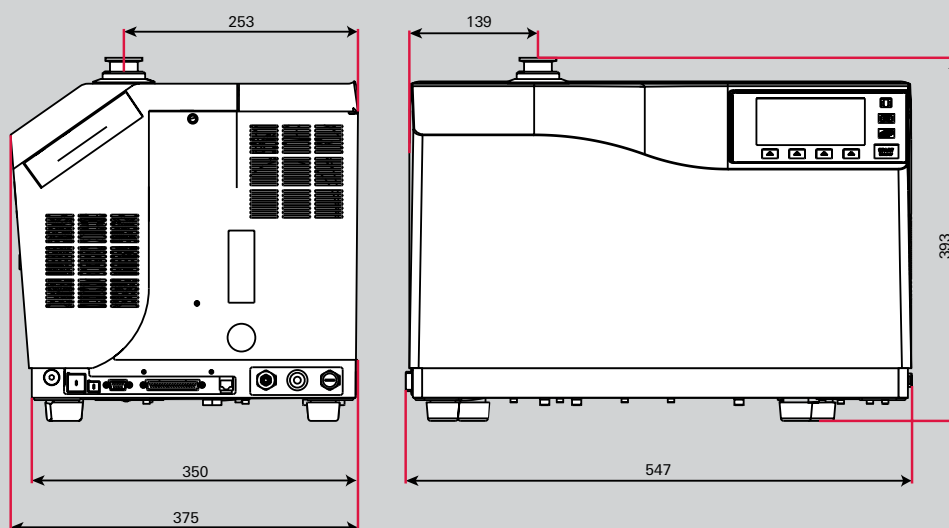
Coating



Customer benefits

- The fastest Time-to-Test in its class due to a large backing pump
- High backing pump capacity for versatile use
- Rapid response time due to high helium pumping speed
- Able to detect leaks starting at 100 hPa as the only leak detector in its class
- Low maintenance due to rugged design
- Integrated SD memory card for recording, downloading and parameter setting
- Detachable control panel for enhanced ergonomics
- Existing accessories can be connected
- Complete range of I/O and profibus communication available

Dimensions (mm)



Technical data

General technical data	ASM 340
Flange (in)	DN 25 ISO KF
Test method	Vacuum and sniffing leak detection
Detectable gases	^4He , ^3He , H_2
Minimum detectable leak rate for He (Sniffing leak detection)	$5 \cdot 10^{-10} \text{ Pa m}^3/\text{s}$
Minimum detectable leak rate for He (Vacuum leak detection)	$< 5 \cdot 10^{-13} \text{ Pa m}^3/\text{s}$
Pumping speed for He	2.5 l/s
Maximum inlet test pressure	25 hPa
Start-up time (20°C) without calibration	~ 3 min
I/O interfaces	Digital and Analog I/O, Relays
Interfaces (see ordering matrix)	RS-232, Ethernet, Bluetooth ...
Selectable languages	English, French, German, Italian, Spanish, Russian, Japanese, Chinese, Korean
Dimensions	393 x 547 x 375 mm

Specific technical data	ASM 340	ASM 340 D (dry version)
Backing pump	Rotary vane pump	Diaphragm pump
Backing pump capacity	15 m ³ /h	3.4 m ³ /h
Power consumption max.	850 W	600 W
Supply	90–130 V, 50/60 Hz 200–240 V, 50/60 Hz	Universal 90–240 V, 50/60 Hz
Weight	56 kg	45 kg
Operating temperature	0–45°C (vacuum) 0–40°C (sniffing)	0–35°C

Time to test on various volumes	ASM 340	ASM 340 D (dry version)
Ready for operation		
1 l	4 s	8 s
10 l	19 s	53 s
50 l	70 s	227 s
Time to reach $1 \cdot 10^{-10} \text{ Pa m}^3/\text{s}$		
1 l	11 s	21 s
10 l	87 s	160 s
50 l	395 s	780 s

**Order number matrix
ASM 340**

Interface board		a
Basic 15 pins I/O		0
Basic 15 pins I/O + Bluetooth		1
37 pins I/O		2
37 pins I/O + Wifi		3
37 pins I/O + Ethernet		4
37 pins I/O + Bluetooth		5
Supply		b
90/130 V, 50/60 Hz, US Power cable		L
200/240 V, 50/60 Hz, EU Power cable		H
Personalization		c
No		A
Japan		B

Order number
J S V A 0 0 A a M b 9 c

**Order number matrix
ASM 340 D (dry version)**

Interface board		a
Basic 15 pins I/O		0
Basic 15 pins I/O + Bluetooth		1
37 pins I/O		2
37 pins I/O + Wifi		3
37 pins I/O + Ethernet		4
37 pins I/O + Bluetooth		5

Order number
K S B A 0 0 A a M M 9 A

Order number accessories

Accessories	Order number
Country-specific power cable	
UK	104411
Italy	104758
Switzerland	103718
Remote control, 5 m cable	
Leak rate in mbar l/s, front panel in English	106688
Leak rate in Pa m ³ /s, front panel in English	108880
Wireless remote control	
RC 500 WL	PT 445 420-T
Spray Gun	
Standard	112535
"Elite kit" spray gun with accessories in a compact case	109951
Standard sniffer probe	
5 m hose length, rigid 9 cm nozzle	SNC1E1T1
Other nozzle and hose lengths upon request	
Sniffer probe with Pass/Fail indication and Zero button	
LP 505, 5 m hose length, rigid 12 cm nozzle	BG 449 208-T
Bypass option	
With European cable	PT 445 411-T
With US cable	PT 445 413-T
Interface	
Profibus	121645

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