



# ASM 340

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

**PFEIFFER**  **VACUUM**



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

## Top performance

The 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. It is the only leak detector in its class that offers qualitative leak detection starting at 100 hPa before reaching the inlet test pressure. With an unrivaled performance in sniffing\* the ASM 340 is the ideal partner for leak localization on pressurized parts. Easy operation, ultra fast response time and short recovery time are among the outstanding features of this compact multi-purpose unit. The ASM 340 is the perfect solution for everyday testing even in severe test conditions.

\* $5 \cdot 10^{-10}$  Pa m<sup>3</sup>/s min.  
detectable leak rate for He

## Easy operation

The detachable control panel with magnets enhances ergonomics for leak detection on medium or large size parts. Its large, bright and color touch screen makes for a maximum readability of the leak test results. The menu is customizable and can be protected to avoid any unintended operation. Thanks to the wireless remote control, the ASM 340 can easily be operated from a distance of up to 100 m.

## For customized applications

As an extension range, the ASM 340 exists also without a backing pump. This ASM 340 I allows to connect a different backing pump, for even more convenience and/or better adaptation to customer application, as for example in case of integration into a leak detection system. The connection for the external backing pump is located at the rear of the leak detector.



Remote control RC 500 WL



ASM 340 I



Analytics



Industry



Research & Development



Coating

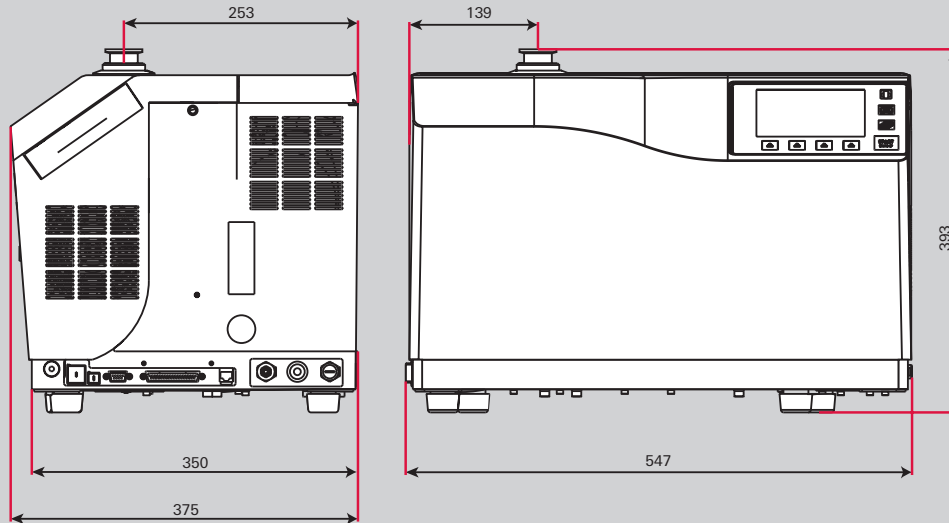
## More convenience

- 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



Sniffer probe LP 505

## Dimensions



Dimensions in mm

## Technical data

General technical data	ASM 340
Flange (in)	DN 25 ISO-KF
Test method	Vacuum and sniffing leak detection
Detectable gases	$^4\text{He}$ , $^3\text{He}$ , $\text{H}_2$
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)	ASM 340 I
Backing pump	Rotary vane pump	Diaphragm pump	None
Backing pump capacity	15 m <sup>3</sup> /h	3.4 m <sup>3</sup> /h	–
Power consumption max.	850 W	600 W	350 W
Supply	90–130 V; 50/60 Hz 200–240 V; 50/60 Hz	Universal 90–240 V; 50/60 Hz	Universal
Weight	56 kg	45 kg	32 kg
Operating temperature	0–45°C (vacuum) 0–40°C (sniffing)	0–35°C	0–40°C

## Order number matrix ASM 340

Leak detector	XXX
ASM 340	JSV
ASM 340 D (dry version)	KSB
ASM 340 I (without backing pump)	MSX

Interface board	d
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	e
90–130 V, 50/60 Hz, US Power cable (only for ASM 340)	L
200–240 V, 50/60 Hz, EU Power cable (only for ASM 340)	H
Universal 90–240 V, 50/60 Hz (only for ASM 340 D + I)	M

Personalization	f
No	A
Japan (not available for ASM 340 D and ASM 340 I)	B

## Order number

abc A 0 0 A d M e 9 f

## Order number accessories

Accessories	Order number
<b>Country-specific power cable</b>	
UK	104411
Italy	104758
Switzerland	103718
<b>Remote control, 5 m cable</b>	
Leak rate in mbar l/s, front panel in English	106688
Leak rate in Pa m <sup>3</sup> /s, front panel in English	108880
<b>Wireless remote control</b>	
RC 500 WL	PT 445 432-T
<b>Transport cart</b>	
Transport cart, 2 wheels, for ASM 340 and ASM 340 D (not for ASM 340 I)	122570
<b>Spray Gun</b>	
Standard	112535
“Elite kit” spray gun with accessories in a compact case	109951
<b>Standard sniffer probe</b>	
5 m hose length, rigid 9 cm nozzle	SNC1E1T1
Other nozzle and hose lengths upon request	
<b>Sniffer probe with Pass/Fail indication and Zero button</b>	
LP 505, 5 m hose length, rigid 12 cm nozzle	BG 449 208-T
<b>Bypass option</b>	
With European cable	PT 445 411-T
With US cable	PT 445 413-T
<b>Interface</b>	
Profibus	122253



#### Customer benefits

- Fastest time to test in its class
- High backing pump capacity for versatile use
- Rapid response time due to high helium pumping speed
- Unique capability to detect leaks starting at 100 hPa
- Impressive results in sniffing test mode, with  $5 \cdot 10^{-10}$  Pa m<sup>3</sup>/s minimum detectable leak rate for helium
- Low maintenance due to rugged design
- Integrated SD memory card for recording, downloading and parameter setting
- Detachable color control panel for enhanced ergonomics
- User friendly and customizable interface
- Complete range of I/O and Profibus communication available

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All data subject to change without prior notice. PL0007PEN (February 2016/10)

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