



ASM 306 S

Helium and hydrogen sniffer
leak detector for easy and accurate
full-time sniffing operations



Air conditioning



Refrigeration



RAC components assembly

ASM 306 S

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leak detector for easy and accurate
full-time sniffing operations



**High sensitivity
for precise and
error-free measurements**

Your added value



**Robust design
for stability and
reliability**

Our know-how

Pfeiffer Vacuum is one of the world's leading providers of vacuum and leak testing solutions. In order to complete our leak detection product portfolio, we are introducing a breakthrough unit addressing any industrial sniffing applications, especially refrigeration and air conditioning. Leakage control using sniffing measurements before the final refrigerant gas charge, is one of the latest step of the production process. Thus it requires the highest testing reliability to increase productivity and quality levels. The ASM 306 S will help you to meet those challenges.

Superior performance and fast testing

Based on over 50 years of know-how in leak detection, you will get all the advantages of a proven technology regarding sensitivity, accuracy and repeatability. The ASM 306 S has been design to offer fast and repeatable measurements, whether helium or hydrogen is used as tracer gas. This unit offers the fastest recovery in case of big leaks to maximize uptime.



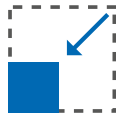
**Maximum operating time
due to fast
start-up time**



**Easy operation thanks to
7-inch touchscreen and
color LEDs**



**Ergonomic sniffer probe
for fatigue-free work**



**Compact
design and small
space requirement**



**Low maintenance
and low service costs**

Compact design

The ASM 306 S offers a compact and rugged design with limited footprint to be easily installed at any workplace. It is also the perfect choice for an integration into a production line whether for manual or automated operation.

Smart and user-friendly

The main display of the ASM 306 S offers easy readability with its 7 inches size, fully tactile and high resolution screen. This display is also removable and equipped with magnets at the rear to allow to be fixed on any metallic surface for the operator's convenience. The test information is visible directly on the probe for easy visual management, with color LEDs lightning up in real time in accordance to the display, so that operators can focus on test parts. Its software is available in 10 different languages.

The ASM 306 S can be completed with a 2 years lifetime calibrated leak with both helium and hydrogen. The calibrated leak can be installed in a dedicated compartment at the front of the unit.

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Ergonomic and rugged sniffer probe

Co-designed with the user in mind, the ergonomics of the sniffer probe has been a major focus allowing the operator to be able to hold the sniffer probe during their entire working shift. The high flow probe will help you pinpoint any leaks easily without missing any of them and without generating false alarms.

The two white LEDs on the front of the probe allow to illuminate the test area for a more precise leak localization. The probe exists with various hose lengths to easily adapt to your application and the cable can be exchanged independently from the probe itself.

Specific attention has been placed on the robustness of the complete ASM 306 S, including the probe and its cable to offer a long lifetime with optimized suction flow and to provide you a full-time sniffing unit with low cost of ownership

Applications

- Cooling systems such as refrigerator and air conditioner
- Heat exchangers
- Valves and manifolds
- Gas circuit components
- Storage tanks, expansion vessels

ASM 306 S accessories

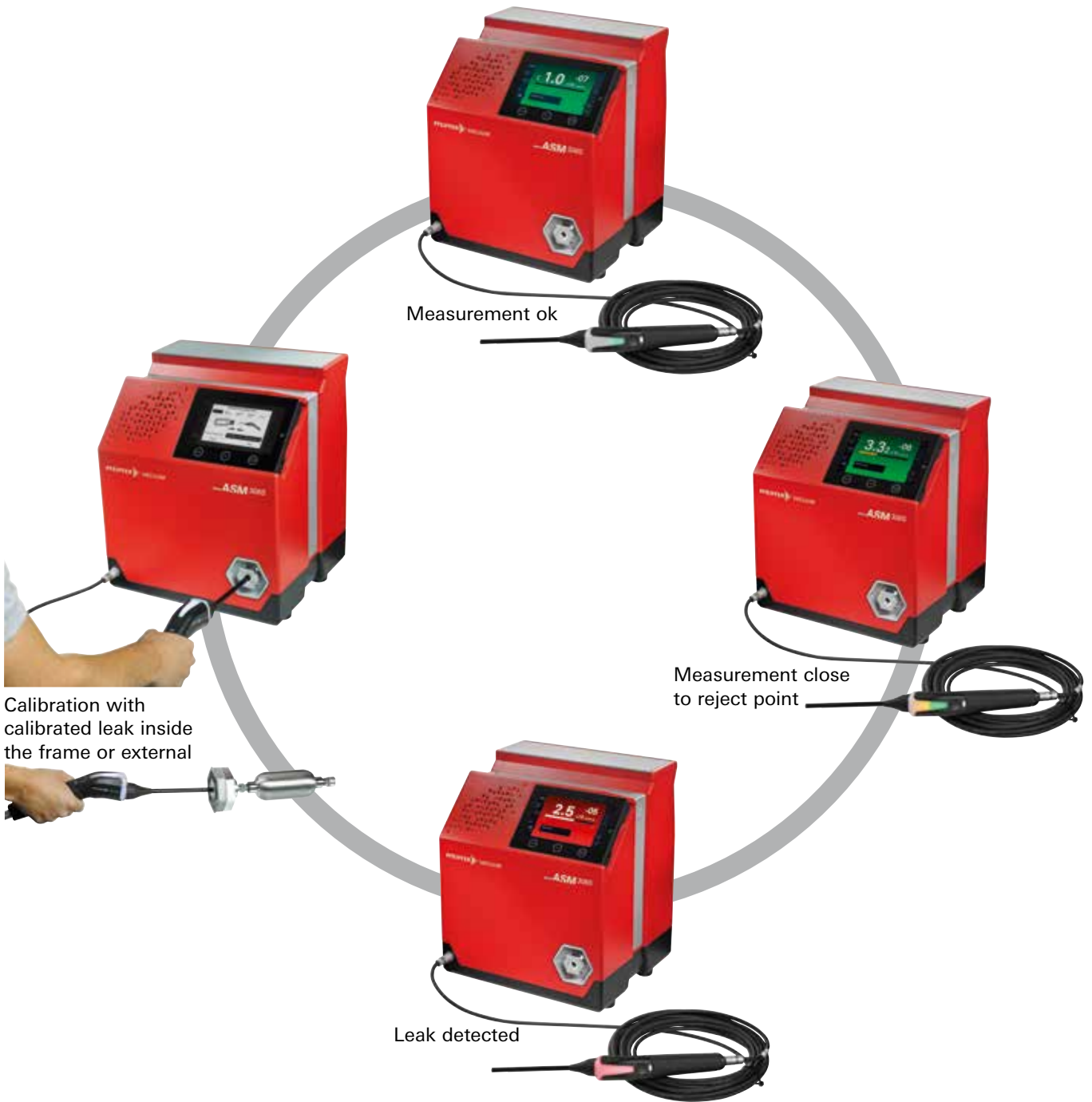


Sniffer probe



Trolley

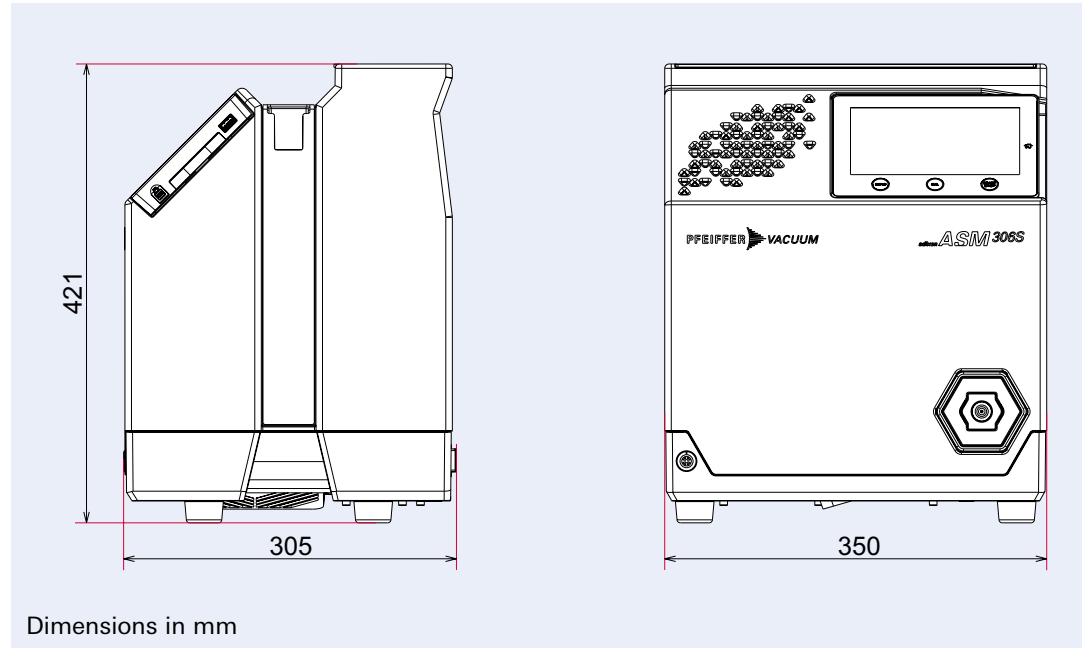
ASM 306 S options



ASM 306 S

Dimensions, technical data,
order numbers, accessories

Dimensions



ASM 306

$1 \cdot 10^{-7}$ mbar·l/s

Min. detectable
leak rate for ^4He

< 1 s

Response time
(Sniffer leak detection)



Technical data

	ASM 306 S
Detectable gases	Helium and hydrogen
Min. detectable leak rate for ^4He	$1 \cdot 10^{-7}$ mbar·l/s
Min. detectable leak rate for H_2	$5 \cdot 10^{-7}$ mbar·l/s ¹⁾
Start up time	2 min
Response time	< 1 s
Sniffer probe flow	300 sccm \pm 10%
Noise level	55 dB (A)
Interface	RS-232, I/O, Fieldbus options
Operating temperature	10–40 °C
Supply voltage	100–240 V, 50/60 Hz
Power consumption max	300 VA
Weight	22 kg
Dimensions (LxWxH)	350x305x421

¹⁾ The best sensitivity is achieved after degassing

Order number matrix ASM 306 S**RSAS00AaMM9A**

Interface board	abc
Basic 15 pins I/O	0
37 pins I/O	2
37 pins I/O + Ethernet ¹⁾	4
Profibus	8
Profinet	9

¹⁾ Ethernet will allow to create an additional COM port to operate the leak detector through a computer

Order numbers accessories

Accessories	Order number
Hybrid sniffer probe	
2 m hose length, rigid nozzle	PRB2H02HA
5 m hose length, rigid nozzle	PRB2H05HA
10 m hose length, rigid nozzle	PRB2H10HA
Hybrid cables	
2 m length	A604523
5 m length	A602086
10 m length	A602106
Replacement filters for hybrid probes	
Tip filters	127829S
Small particles filters	128051
Calibrated leaks	
100% Helium, value between $4-6 \cdot 10^{-5}$ mbar l/s	127388
100% Hydrogen, value between $4-6 \cdot 10^{-5}$ mbar l/s	127387
Trolley	114820

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worldwide!

Are you looking for your
optimized vacuum solution?
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All information is subject to change without prior notice. PL 0026 PEN (October 2022/PoD)

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