



# VACUUM PUMPING & MAINTENANCE

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Helium Leak Detectors ..... M 46

# Helium Leak Detectors

Helium leak detectors from Pfeiffer Vacuum are the ideal solution for leak detection and leak-tightness testing under vacuum. The test gas Helium is safe and a small, light molecule which is suitable for detecting micro leaks. The detection range of Helium in vacuum tests lies between  $10^{-1}$  and  $10^{-12}$  mbar.l/s. Helium leak detection is extremely accurate, quantitative and repeatable. Fast cycle times are a further advantage.

## ASM 340 SERIES

The ASM 340 series leak detectors can be used both for qualitative localization of leaks as well as for 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.

- Detachable color control panel for enhanced ergonomics
- Integrated SD memory card for recording, downloading and parameter setting
- Complete range of I/O and Profibus communication available

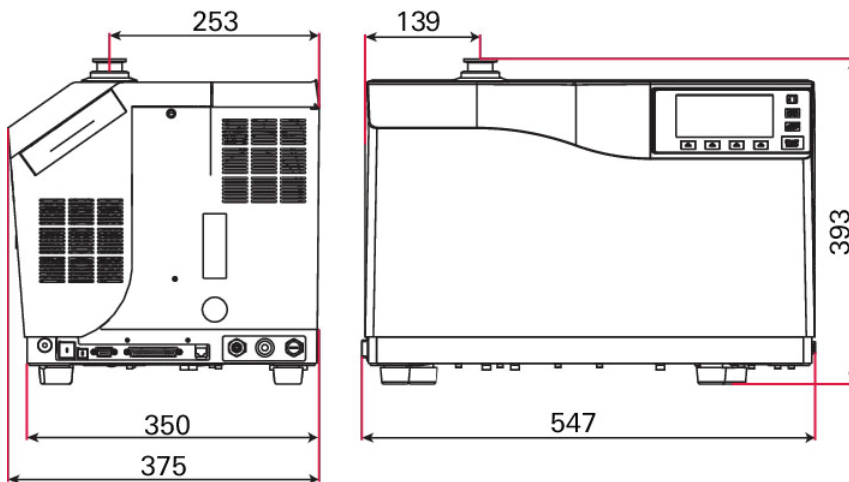
Backing pump	with oil sealed backing pump
Backing pump capacity	15 m <sup>3</sup> /h
Detectable gases	He
Pumping speed for He	2.5 l/s
Dimensions (L x W x H)	547 x 375 x 393 mm
Flange IN	25 KF
Minimum detectable leak rate for He (vacuum leak detection)	$5 \cdot 10^{-12}$ mbar.l/s
Minimum detectable leak rate for He (sniffing leak detection)	$1 \cdot 10^{-9}$ mbar.l/s
Weight	56 kg

**Options**

- Spray gun Standard or "Elite kit"
- Dry version with diaphragm backing pump
- Bypass option for the installation of an auxiliary primary pump
- Sniffer probe, 5 m hose length
- Wireless remote control
- Transport cart, 2 wheel
- Profibus interface



**DIMENSIONS (mm)**



**ASM 310 SERIES**

The ASM 310 portable Helium leak detector stands out particularly due to its smart design with a retractable handle and its small footprint. At only 21 kg it is still a complete vacuum system, it has the same detector technology and offers the same level of sensitivity as larger models. Thanks to the clean, oil-free pumping system, the ASM 310 is the right choice for leak detection in systems which do not tolerate any contamination. The ASM 310 can be operated in any position and has an integrated SD memory card for data recording.

- Test method: vacuum and sniffing leak detection
- Smart design with retractable handle
- Detachable control panel, with magnets enabling it to be positioned on a metallic support
- Large bright color touchscreen with graphics functionality
- Universal voltage: 100-240 V AC - 50/60 Hz

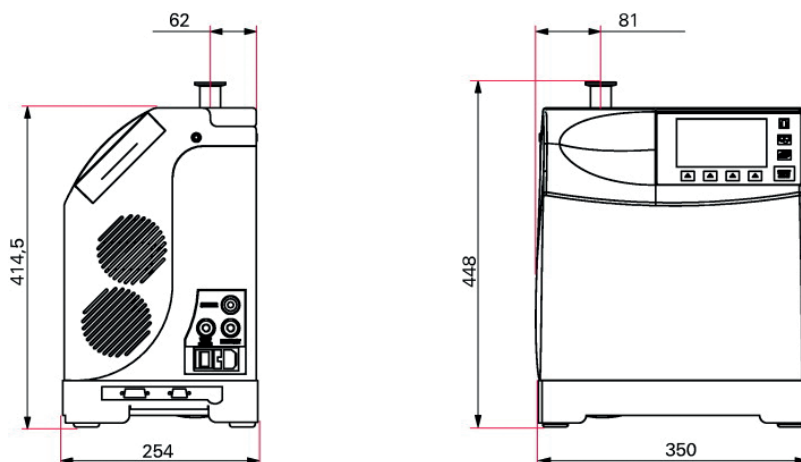
Roughing pump capacity	1.7 m <sup>3</sup> /h
Detectable gases	He, H <sub>2</sub>
Pumping speed for He	1.1 l/s
Dimensions (L x W x H)	350 x 245 x 414 mm
Flange IN	25 KF
Minimum detectable leak rate for He (vacuum leak detection)	5·10 <sup>-12</sup> mbar.l/s
Minimum detectable leak rate for He (sniffing leak detection)	1·10 <sup>-7</sup> mbar.l/s
Weight	21 kg

### Options

- Remote control
- Sniffer probe, 5 m or 10 m hose length
- Helium spray gun
- Trolley
- Transportation case



### DIMENSIONS (mm)





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