ASM 340

Leak detectors

PFEIFFER
VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP

Accurate

High sensitivity, ultra-fast response and short recovery time

Flexible

Available in wet/dry versions as well as without backing pump, extended range of accessories, suitable for a wide range of maintenance and production applications

User-friendly

High resolution color touch display, detachable control panel for easy handling when testing on medium or large-size parts

Accessories, spare parts and options

- Large variety of interface boards
- Sniffer probe with 5 or 10 m hose length
- Helium spray gun
- Remote control
- Transport cart
- Inlet filter for dust
- Bypass option
- Test chamber

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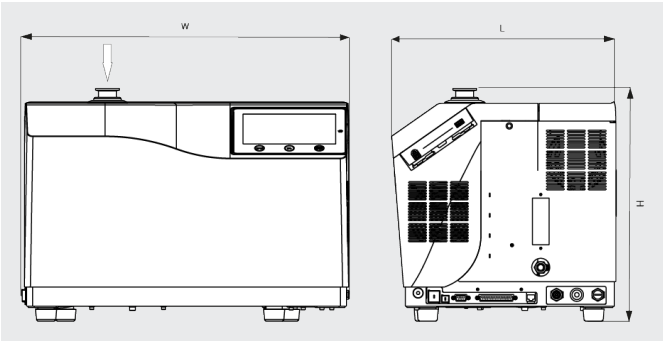
Dimensional drawing



	ASM 340	ASM 340D	ASM 340I
Test method	Spraying and sniffing tests	Spraying and sniffing tests	Spraying and sniffing tests
Detectable gases	^{4}He; ^{3}He; H_2	^{4}He; ^{3}He; H_2	^{4}He; ^{3}He; H_2
Min. detectable leak rate for Helium (spraying test)	$1 \cdot 10^{-12}$ mbar l/s / $1 \cdot 10^{-13}$ Pa m^3/s	$1 \cdot 10^{-12}$ mbar l/s / $1 \cdot 10^{-13}$ Pa m^3/s	$1 \cdot 10^{-12}$ mbar l/s / $1 \cdot 10^{-13}$ Pa m^3/s
Min. detectable leak rate for Helium (sniffing test)	$5 \cdot 10^{-9}$ mbar l/s / $5 \cdot 10^{-10}$ Pa m^3/s	$5 \cdot 10^{-9}$ mbar l/s / $5 \cdot 10^{-10}$ Pa m^3/s	$5 \cdot 10^{-9}$ mbar l/s / $5 \cdot 10^{-10}$ Pa m^3/s
Pumping speed for Helium	2.5 l/s	2.5 l/s	2.5 l/s
Power supply	100-110; 200-240 V (50/60 Hz)	Universal 100-240 V (50/60 Hz)	Universal 100-240 V (50/60 Hz)
Max. power consumption	850 W	600 W	350 W
Max. test inlet pressure	25 mbar	25 mbar	25 mbar
Start-up time (20 °C)	3 min	3 min	3 min
Response time	<1 s	<1 s	<1 s
Backing pump	Rotary vane vacuum pump	Diaphragm vacuum pump	None
Roughing capacity	15 m^3/h	3.4 m^3/h	None
Operating temperature	0-45 °C (spraying test) / 0-35 °C (sniffing test)	0-35 °C	0-40 °C
Communication interfaces	I/O, RS-232, Ethernet (PC), Profibus, Ethernet-IP (Industrial Protocol)*	I/O, RS-232, Ethernet (PC), Profibus, Ethernet-IP (Industrial Protocol)*	I/O, RS-232, Ethernet (PC), Profibus, Ethernet-IP (Industrial Protocol)*
Sound pressure level	54 dB(A)	52 dB(A)	52 dB(A)
Weight approx.	56 kg	45 kg	32 kg

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Dimensions (L x W x H)	594 x 375 x 389 mm	594 x 375 x 389 mm	594 x 375 x 389 mm
Inlet port	DN 25 ISO-KF	DN 25 ISO-KF	DN 25 ISO-KF

*depending on selected configuration

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM

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