

# ASM 2000

Leak detectors

**PFEIFFER**   
VACUUM+FAB SOLUTIONS

Part of the **BUSCH** GROUP



## Versatile

Turnkey solution with customized test chambers, adaptable to vials, syringes, bottles and other non-porous packages

## Highly sensitive

Helium leak detection down to  $\geq 0.01 \mu\text{m}$ , specially designed for validating sterile packaging

## Deterministic

Quantifiable and repeatable results according to USP <1207> standard

Accessories, spare parts and options

- Helium spray gun
- Sniffer probe
- Exhaust filter
- Dry chiller module – 90
- Customized tooling

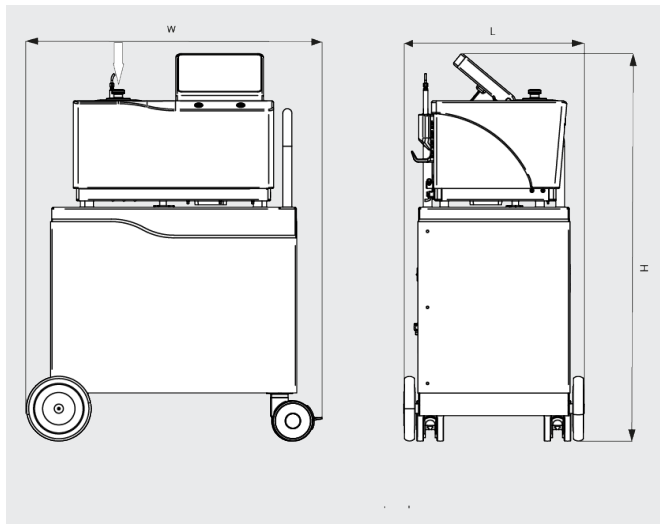
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Dimensional drawing



| ASM 2000                                          |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| Test methods                                      | Vacuum and sniffing leak detection              |
| Quantitative measurement range fine leak helium   | $<1 \cdot 10^{-9} - 1 \cdot 10^{-5}$ mbar · l/s |
| Qualitative measurement range gross leak helium   | $1 \cdot 10^{-5} - 1 \cdot 10^{-3}$ mbar · l/s  |
| Qualitative measurement range massive leak air    | $>1 \cdot 10^{-3}$ mbar · l/s                   |
| Minimum detectable helium leakage (sniffing test) | $>1 \cdot 10^{-5}$ mbar · l/s                   |
| CDA supply                                        | required for operation                          |
| CDA quality                                       | 1.3.1 according to ISO 8573-1                   |
| CDA pressure                                      | 65 - 145 psig / 4.5 - 10 bar rel.               |
| Helium supply                                     | required for operation                          |
| Helium pressure                                   | 65 - 145 psig / 4.5 - 10 bar rel.               |
| Nitrogen supply                                   | required for operation                          |
| Nitrogen pressure                                 | 65 - 145 psig / 4.5 - 10 bar rel.               |
| Power supply                                      | 90 - 250 V AC                                   |
| Typical power consumption                         | 3750 W                                          |

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| ASM 2000               |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| Operating temperature  | 15 - 25 °C                                                                                             |
| Humidity               | 30 - 80 %                                                                                              |
| User interface         | 10" multi-touch full HD color screen                                                                   |
| Software               | 21 CFR part 11 compliance, PDF GMP test and calibration reports, authentication local or domain (LDAP) |
| Operating system       | Windows 10                                                                                             |
| Network connection     | 1x LAN (RJ45)                                                                                          |
| Interfaces             | 2x USB 3.0 (ext.), 1x HDMI                                                                             |
| Sound pressure level   | <53 dB(A)                                                                                              |
| Weight approx.         | 140 kg                                                                                                 |
| Dimensions (L x W x H) | 913 x 558 x 1197 mm                                                                                    |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



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