



# ASM 340 I

Leak detector without backing pump



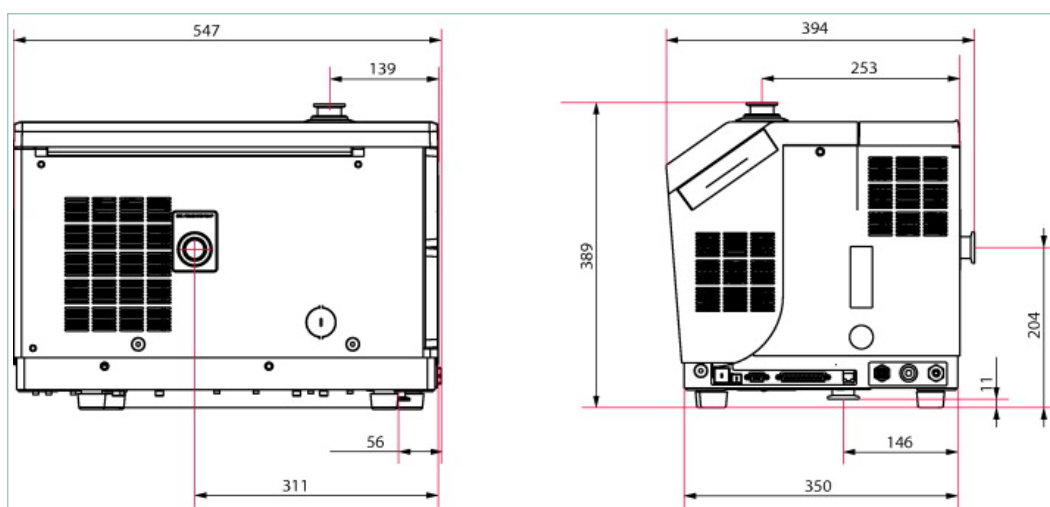


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## ASM 340 I, universal voltage, configurable I/O interface board, internal WiFi

- Without backing pump
- 2.5 l/s helium pumping speed
- Customizable and detachable operator interface
- Integrated SD card for data processing
- Fully configurable I/O interface (37 pins D-sub) to fit to customer needs
- Integrated WiFi communication
- Wired or wireless remote control and sniffer probes available as accessories
- Special accessory for I/O compatibility mode dedicated to HLT 5xx

### Dimensions



| Technical Data  | ASM 340 I, universal voltage, configurable I/O interface board, internal WiFi   |
|---|---|
| Detectable gases  | $^4\text{He}$ , $^3\text{He}$ , $\text{H}_2$  |
| Flange (in)   | DN 25 ISO-KF  |
| Flange (out)  | DN 25 ISO-KF for backing pump connection  |
| I/O interfaces  | 6 digital inputs (allocated functions configurable); 3 analog outputs (configurable: Helium signal I og, mantissa, exponent, inlet pressure); 5 relays outputs (allocated functions configurable); 4 transistor/open collector outputs (allocated functions configurable) |
| Interface   | RS-232, USB, WiFi   |
| Max. inlet test pressure  | 5 hPa   3.75 Torr   5 mbar  |
| Minimum detectable leak rate for helium (sniffing leak detection) | $5 \cdot 10^{-10}$ Pa m <sup>3</sup> /s   $3.75 \cdot 10^{-9}$ Torr l/s   $5 \cdot 10^{-9}$ mbar l/s  |
| Minimum detectable leak rate for helium (vacuum leak detection)   | $5 \cdot 10^{-13}$ Pa m <sup>3</sup> /s   $3.75 \cdot 10^{-12}$ Torr l/s   $5 \cdot 10^{-12}$ mbar l/s  |
| Noise level   | 54 dB (A)   |
| Operating temperature (hard vacuum test)                          | 0-40 °C   32-104 °F   273-313 K   |
| Operating temperature (sniffing test)                             | 0-40 °C   32-104 °F   273-313 K   |
| Power consumption max.  | 350 W   |
| Protection category   | IP 20   |
| Pumping speed for He  | 2.5 l/s   |
| Start-up time (20°C) without calibration                          | ~ 3 min   |
| Supply  | 90-240 V, 50/60 Hz  |

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|----------------|---|
| Test method    | Vacuum and sniffing leak detection  |
| Weight         | 32 kg   70.55 lb  |

| Order number |              |
|--------------|--------------|
| ASM 340 I    | MSXA00A3MM9A |

| Accessories   |               |
|---|---------------|
| <b>Bypass option</b>  |               |
| Bypass option with Euro-style safety plug   | PT 445 411-T  |
| Bypass option with US plug  | PT 445 413-T  |
| <b>Cables to connect an external gauge to an ASM 340 equipped with 37 pin I/O board</b> |               |
| Cable for external gauge, 10 m  | A333747       |
| Cable for external gauge, 20 m  | A333748       |
| Cable for external gauge, 3 m   | A333746       |
| <b>Country-specific power cables</b>  |               |
| Power cable, 2.5 m, Switzerland   | 103718        |
| Power cable, 2.5 m, UK  | 104411        |
| Power cable, 2 m, Italy   | 104758        |
| <b>Miscellaneous</b>  |               |
| 37 pin D-Sub/25 pin D-Sub adaptor cable   | A433758       |
| Compatibility module, I/O HLT 5xxx  | 122742        |
| Profibus board for ASM 340  | 122253        |
| <b>Smart Sniffer probe</b>  |               |
| LP 503, sniffer probe with standard tip, 3 m  | BG 449 207 -T |
| LP 505, sniffer probe with standard tip, 5 m  | BG 449 208 -T |
| LP 510, sniffer probe with standard tip, 10 m   | BG 449 209 -T |
| <b>Standard remote control</b>  |               |
| Remote control, leak rate in mbar l/s, legend in English                                | 106688        |
| Remote control, leak rate in Pa m <sup>3</sup> /s, legend in English                    | 108880        |
| Remote Control RC 500 WL for helium leak detector, wireless                             | PT 445 432-T  |