

ASM 142 Technical Information

Technical Specifications

| Specifications → vacuum mode | | ASM 142 | ASM 142 D | ASM 142 S |
|--------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------|----------------|-----------------|
| Minimum detectable helium leak | 1.10 ⁻¹¹ atm.cc/s | X | X | |
| Maximum inlet test pressure | 10 mbar (7.5 Torr) | X | X | |
| Helium pumping speed at the inlet of the unit | 1.3 l/s (78 l/min) | X | X | |
| Roughing capacity | 10 m ³ /h (6 cfm) | X | | |
| | 1 up to 18 m ³ /h (0,6 up to 10,5 cfm) | | X | |
| Specifications → sniffing mode | | ASM 142 | ASM 142 D | ASM 142 S |
| Minimum detectable helium leak | 1.10 ⁻⁷ atm.cc/s | X | X | |
| Response time | < 1 s | X | X | |
| General specifications | | ASM 142 | ASM 142 D | ASM 142 S |
| Start-up time (including auto-calibration) | Less than 3 minutes | X | X | |
| Power consumption | | < 1 kw | < 500 w | < 500 w |
| Integrated Functions | | ASM 142 | ASM 142 D | ASM 142 S |
| Auto-calibration, with built-in temperature compensated calibrated leak | | X | X | |
| Full automation of test cycle including: | | X | X | |
| - cycle sequence | | | | |
| - memorization of the last test | | | | |
| - test result display | | | | |
| Helium background suppression with "floating zero" to keep the signal from going negative. | | X | X | |
| Automatic external calibration | | X | X | |
| Helium pollution prevention | | X | X | |
| Audio alarm with variable pitch (up to 90 dbA) | | X | X | |
| Vocal synthesizer | | X | X | |
| User defined parameters | | ASM 142 | ASM 142 D | ASM 142 S |
| 4 user languages | | X | X | |
| 3 pressure and Helium flow units | | X | X | |
| Weight | | 56 kg 123 lb | 42 kg 92 lb | 56 kg 123 lb |