

Leak Detection Solutions

Dry Helium Leak Detectors



ASM 142 D, ASM Graph D*

The ASM 142 D and ASM Graph D are dry leak detectors for general purpose applications providing high performance, easy operation and high reliability. In addition ASM Graph D offers a touch screen display with user friendly interface. The vacuum system comprises a dry diaphragm pump, a rugged molecular pump with optimum compression ratio for the detector plus a second molecular pump for optimum performance in fine vacuum.

Advantages:

- **Very fast pump down to most sensitive mode**
Crossover pressure to fine leak mode at 0.5 mbar
- **Graphical measurement and recording functionality (ASM Graph D only)**
- **Optimum performance for samples with small volume**
- **Two high vacuum pumps in series:** optimum performance in environment with Helium pollution. Very fast signal decay after detection of a massive leak.

Specifications:

	Units	ASM 142 D / ASM Graph D*
Minimum detectable helium leak	mbar · l/s	$5 \cdot 10^{-12}$
Maximum inlet test pressure	mbar	10
Helium pumping speed at inlet of the unit	l/s	1.3
Roughing capacity	m ³ /h	1 to 18
Start-up time	min	< 3
Power consumption	W	< 500

Specifications sniffing mode:

Minimum detectable helium leak	mbar · l/s	$1 \cdot 10^{-7}$
Response time	s	< 1

* with touch screen including color graphic display

Applications:

- Cryo technology
- Electronics and sensors
- Clean room applications
- Mechanical parts
- Research and Development

Accessories and options:

- Helium spray gun
- Remote control – cable-bound or wireless
- Transport cart
- Inlet particle filters
- Test chambers
- Interface board to connect external control or PC

Sniffer probes:



Rigid tip
(various tube lengths)

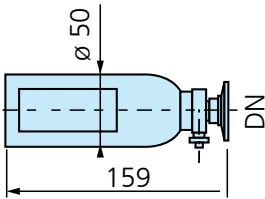


Flexible tip
(various tube lengths)

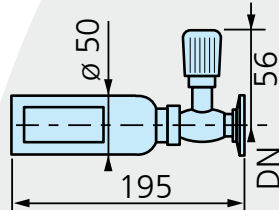


Special applications

Calibrated leaks:



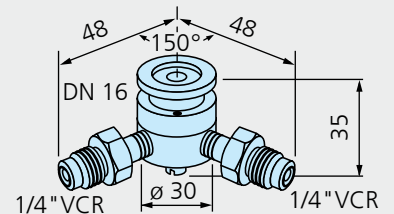
Integrated leak



External leak



Sniffing calibration accessories



Gas line calibrated leaks

Software:



ASM View

Leak detector control via PC. Data display and storage on PC.



ASM Downloader

Downloads files from ASMGraph memory to PC.



ASM Pocket

Software package for wireless remote control of leak detector via PDA or smartphone. Data is displayed and stored on the mobile device.

For further information please see:

<http://www.adixen.co.uk>