



LEHENGOTAK, S.A.



**CONTAMINATION CONTROL BREATHERS
FOR ENCLOSED FLUID SYSTEMS**

OPERATIONAL FEATURES

Bi-directional Air Flow - Air entering is cleaned and dried. Expelled air partially regenerates the silica gel and "backflushes" the particulate filter to prolong the life of the breather.

Durable Construction - Air Sentry® is manufactured from rugged ABS plastic and impact-modified Plexiglas.

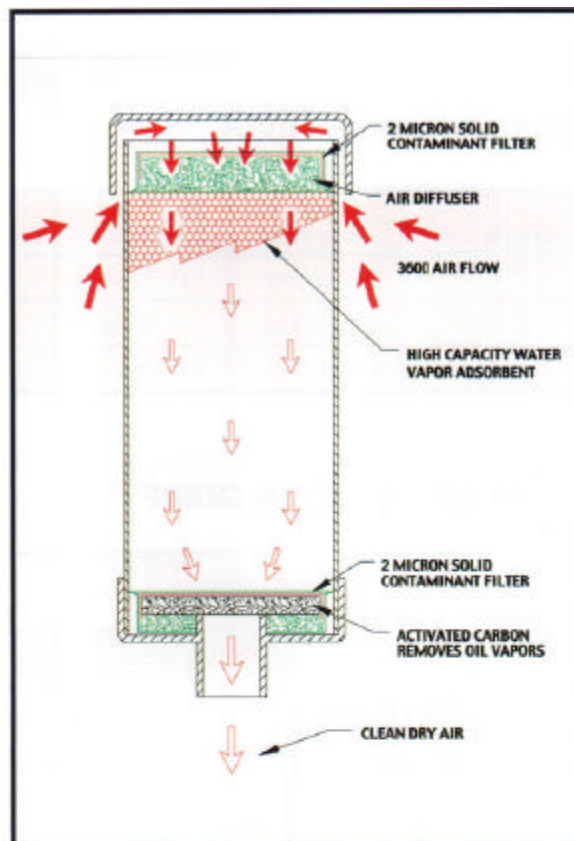
Water Vapor Adsorbent - The silica gel used in Air Sentry® breathers is chemically inert, non-corrosive, and conforms to all regulated toxicity standards in the U.S. and other countries.

Microscopic pores allow the silica gel to adsorb up to 40% of its own weight.

Color Indicator - When maximum adsorption is reached, the silica gel turns from gold to dark green to indicate that replacement of the breather is required.

Activated Carbon - As air is expelled from the tank, it passes through activated carbon which remove oil vapors, fumes, and odors.

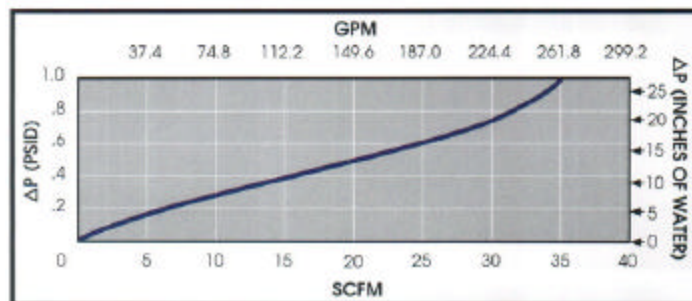
Safety Sealed - Seals keep moisture from entering the units until they are placed in service. They are easily removed without tools or sharp instruments.



PRODUCT SPECIFICATIONS

PERFORMANCE	SPECIFICATION
Nominal Air Flow Rate	35 CFM (990 l/min) Equivalent of 260 gpm of fluid volume change
Solid Contaminant Filtration Level	2 micron, 100% efficiency @ 35 CFM air flow
Solid Contaminant Filtration Surface area	20.6 in ² / 133 cm ²
Operating Temperature Range	-20° to 200° F / -28° to 93° C
Silica Gel: Adsorption Lowest Operational Dew Point	Up to 40% of its weight of water -100° F / -73° C
Chemical Resistance	Resistant to alkalis, hydrocarbons, non-oxidizing acids, salt water and mineral or synthetic oils

FLOW RATE VS PRESSURE DROP



All Air Sentry® Disposable Models exhibit the same flow rate characteristics.

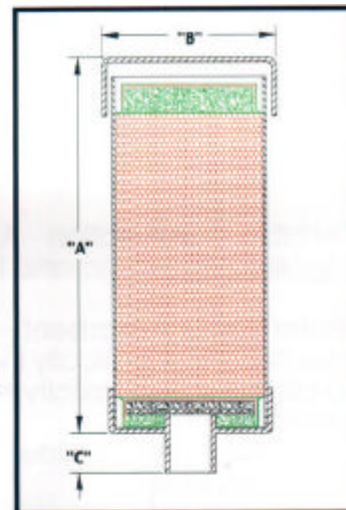
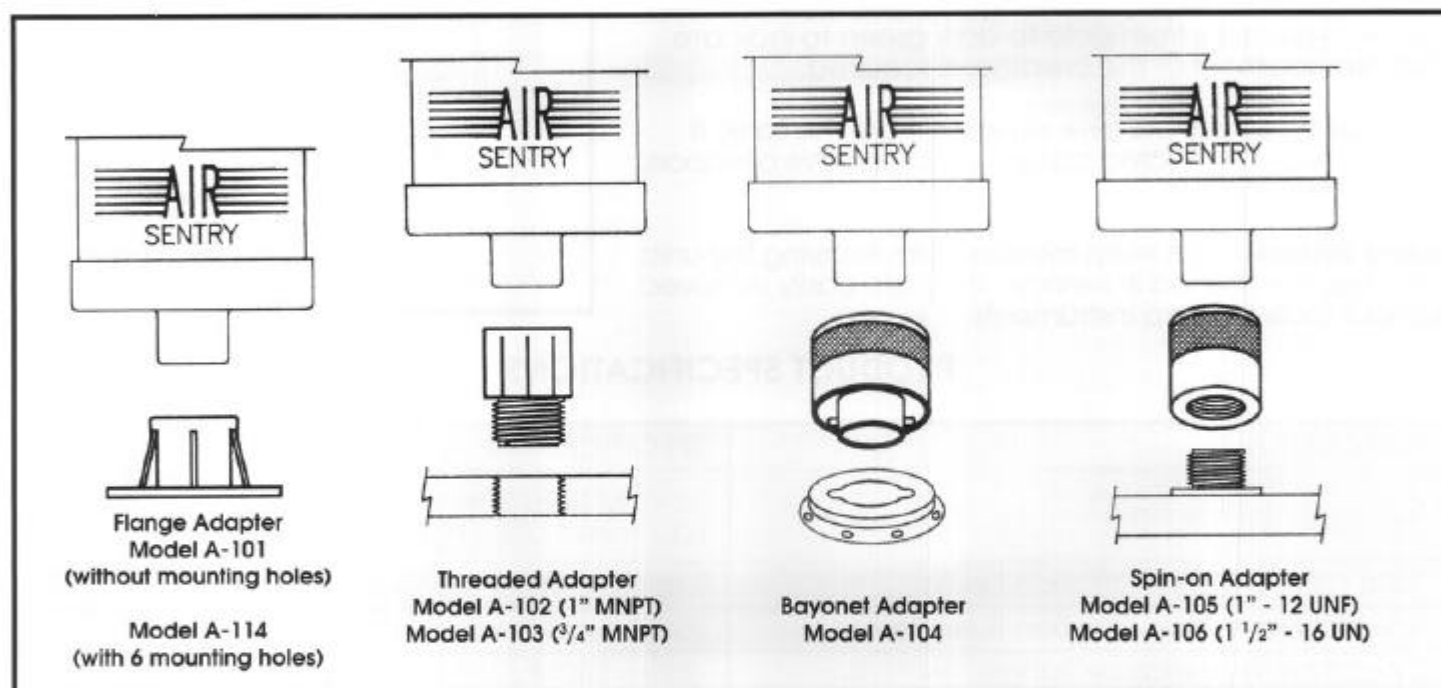
COLOR INDICATOR



The silica gel turns from gold to dark green, indicating that the breather is saturated and needs to be replaced.

UNIT SELECTION GUIDE

Model No.	Height (A)	Diameter (B)	Clearance (C)	Unit Weight	Maximum H ₂ O Capacity
D-100	3.5 in/9.0 cm	5 in/12.8 cm	1.25 in/3.2 cm	1.3 lb/0.6 kg	0.2 lb/0.1 ltr
D-101	5 in/12.8 cm	5 in/12.8 cm	1.25 in/3.2 cm	1.9 lb/0.9 kg	0.4 lb/0.2 ltr
D-102	8 in/20.5 cm	5 in/12.8 cm	1.25 in/3.2 cm	3.3 lb/1.5 kg	0.9 lb/0.5 ltr


ADAPTER SELECTION GUIDE


The **Air Sentry®** product line also includes other breather models that contain fume and odor removing material. Steel construction models are available for very corrosive and high temperature applications with airflow rates up to 300 CFM. Contact your local representative for more information.

Air Sentry® Breathers and certain related fittings are patented in U.S. Patent Numbers: 6,217,639B1 • D438,606S • D439,318S • D439,644S



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