



# DESIGNED FOR EXTREMELY HUMID ENVIRONMENTS

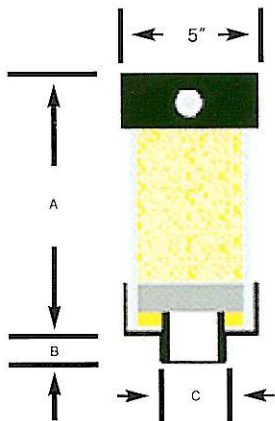
## X-Series Contamination Control Breathers



In certain extreme operating environments such as a paper mill, a steam cleaning room, etc., the humidity level far exceeds that which is experienced in normal industrial applications. In these situations, lubricants and other fluids stored in tanks and reservoirs need the protection of a desiccant breather even more. However, small temperature variations draw in the humid air and unnecessarily reduce the life of the breather. The AIR SENTRY® X-Series Breathers incorporate two check valves, one to control airflow into the protected reservoir and one to control airflow out. These valves establish thresholds of vacuum (air in) and pressure (air out). This prolongs the life of the desiccant by allowing the air to flow through the breather only when needed to protect the integrity of the tank.

Unlike a membrane system, which does not allow the internally generated gasses and contaminants to exit the system, the AIR SENTRY® X-Series offers all of the advantages of breathing air in and out of the tank while still removing water vapor and solid particles before they contaminate the fluid.

The rugged design includes a reusable top cap which allows the economic replacement of the desiccant cartridge.



Available in four models, the X-Series AIR SENTRY® Breathers incorporate all of the product specifications of their companion Contamination Control Breather models, D-100, D-101, and D-102. Refer to the AIR SENTRY® product brochure "Contamination Control Breathers for Enclosed Fluid Systems."

Models are available with either 1" slip fit connectors which mate with the standard AIR SENTRY® D-Series adapters or with 2" male NPT connectors.

All models are rated for 35 cfm airflow, the equivalent of 260 gpm of fluid level change in the tank or reservoir.

The X-Series breather contains longer lasting desiccant formulated specifically for maximum efficiency at humidity levels of 80% and higher.

Model #	Height (A)	Clearance (B)	Mounting (C)	Rated Airflow	H <sub>2</sub> O Capacity	Check Valve Settings
X-101	5 in/12.8 cm	1.25 in/3.2cm	1" slip	35 cfm/ (990 ltr/min)	0.6 lb/0.3 ltr	0.3 psi in/2.1 psi out
X-102	8 in/20.5 cm	1.25 in/3.2cm	1" slip	35 cfm/ (990 ltr/min)	1.4 lb/0.7 ltr	0.3 psi in/2.1 psi out
X-121	5 in/12.8 cm	1.87 in/4.7cm	2" MNPT	35 cfm/ (990 ltr/min)	0.6 lb/0.3 ltr	0.3 psi in/2.1 psi out
X-122	8 in/20.5 cm	1.87 in/4.7cm	2" MNPT	35 cfm/ (990 ltr/min)	1.4 lb/0.7 ltr	0.3 psi in/2.1 psi out

All AIR SENTRY® products are manufactured under an ISO 9001 Certified Quality system in the United States.

Other AIR SENTRY® Breathers are available for large reservoirs, storage tanks, transformer cases, and other enclosed containers. Models are also available for removing fumes and odors being expelled from tanks, and for neutralizing certain hazardous gasses.

AIR SENTRY® Breathers and certain related accessories are patented in US. Patent Numbers: 6,217,639B1 • D438,606S • D439,318S • D439,644S



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