



## CONTAMINATION CONTROL BREATHERS

*Setting the Standard for Breather Excellence™*



### Protection for All Enclosed Fluid Systems

RESERVOIRS • GEARBOXES • TRANSFORMERS • STORAGE TANKS

- Remove Water Vapor and Abrasive Particles
- Reduce Component Wear
- Prolong Fluid Life
- Reduce Maintenance Costs

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**Air Sentry® Breathers** are a unique, patented air filter and vapor removal system. They replace the standard breather or vent cap on virtually all types of industrial equipment, storage tanks, and transformers. They prevent destructive contaminants from entering fluid reservoirs and tanks as air is breathed in and out due to thermal expansion or fluid level changes. Fluid contamination is one of the primary causes of component wear and lubricant failure in industrial equipment.

Models are available to meet the requirements of most industrial applications. Ask your local distributor for technical/sales brochures for any of the products described below:



**D-SERIES BREATHERS:** The five models in this group satisfy most applications involving hydraulic reservoirs, lubrication and fuel storage tanks, transformers, pumps and gearboxes. Models D-100, D-101 and D-102 are rated for airflow of 35 cfm (260 g.p.m. of fluid level change). They are connected to the tank or reservoir using any of several available adapters. Model D-108 is rated for airflow of 100 cfm (750 g.p.m.) and is connected to the tank by a 2" male pipe thread. Model D-109 is rated for 250 cfm (1875 g.p.m.) and is connected to the tank by a 3" male pipe thread. The D-Series Models are 5" in diameter and range from 3½" to 12" tall.

**Z-SERIES BREATHERS:** There are four models of these "Mini Breathers". They are designed for applications where space is limited. They are often used for gearboxes and small reservoirs. The airflow rating of these models is 10 cfm (75 g.p.m.). The connection on all of these units is a ½" female thread which mates with several available fittings.



**M-SERIES BREATHERS:** The five models in this group of "Steel Breathers" were designed for applications in very severe environments such as high temperatures, situations where a breather can be hit or stepped on, or where there is a corrosive atmosphere. The units are constructed of powder coated heavy gauge steel. They incorporate an easily replaceable bag of desiccant and a reusable 2-micron pleated filter. Airflow ratings are up to 300 cfm.

**R-SERIES BREATHERS:** This group of products was developed at the request of, and in cooperation with, a major U.S. railroad company. They are intended for applications where gearboxes and reservoirs are subjected to continuous vibration, such as railroad maintenance equipment, off-road vehicles, and mining equipment. They incorporate a metal reinforcing plate in the bottom cap and a threaded steel connector for mounting. A replacement desiccant cartridge easily screws into the reinforced bottom cap.



**X-SERIES 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 this type environment the very humid air is drawn into a standard breather when small temperature changes occur in the system even though air is not required to protect the integrity of the tank or reservoir. The X-Series models incorporate check valves that allow air to enter through the breather only when required, thereby extending the life of the desiccant and the useful life of the breather.

**"The Cost of Contamination Control Is Always Less Than the Cost of Repair"**



Air Sentry® products are manufactured under an ISO Certified Quality System

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