

XR-Series

Extreme Environment Applications

Air Sentry® XR-Series breathers are designed for extreme environment applications where protection from dust, moisture and vibration are critical.

XR-Series breathers include a metal reinforced base available with male NPT threads to adapt to your equipment. The base is designed to handle the rigors of high vibration applications. The top cap implements two check valves to prevent outside moisture and solid contaminants from entering the breather until there is a need for airflow.

The XR-Series rebuildable design allows for economical replacement of the desiccant cartridge.



Typical applications include:

- WINDMILLS
- MINING EQUIPMENT
- FARMING IMPLEMENTS

Sizing Information

Model	Height in. (cm)	Diameter in. (cm)	Mounting Connection	Weight lbs. (kg)	Water Capacity fl.oz (mL)	Maximum Air Flow cfm	Maximum Reservoir Fluid Flow gpm	Type of Medium
XR-101	8.5 (21.6)	5.2 (13.2)	1inch male NPT	9.00 (4.1)	6.2 (183)	35	262	100% Silica Gel
XR-102	11.5 (29.2)	5.2 (13.2)	1inch male NPT	10.5 (10.5)	13.9 (411)	35	262	100% Silica Gel
XR-108	14 (35.6)	5.2 (13.2)	2 inch male NPT	12.5 (5.7)	18.5 (547)	35	262	100% Silica Gel

Replacement Cartridges

Model	Height in. (cm)	Diameter in. (cm)	Weight lbs. (kg)	Water Capacity fl.oz (mL)	Maximum Air Flow cfm	Maximum Reservoir Fluid Flow gpm	Type of Medium
A-351	5 (12.7)	5 (12.7)	2.2 (1.0)	6.2 (183)	35	262	100% Silica Gel
A-352	8 (20.3)	5 (12.7)	3.6 (1.6)	13.9 (411)	35	262	100% Silica Gel
A-358	10 (25.4)	5 (12.7)	4.8 (2.2)	18.5 (547)	35	262	100% Silica Gel



XR-SERIES BREATHER REPLACEMENT CARTRIDGE WITH PERMANENT TOP AND BOTTOM CAPS



CASE STUDY



Originally, XR-Series breathers were designed for the rigorous requirements for the windmill industry, but they have proven to be a great solution for many mobile applications where there are high levels of vibration, humidity, and dust.

A distributor of fuels and lubricants in the Midwestern United States mounted three XR-Series breathers on each reservoir on their mobile lube truck. They found by using this design they were able to virtually eliminate the contamination issues they were having due to solid and liquid contamination of their lubricants.