

Air Sentry Breathers



Guardian Series

APPLICATIONS

Ideal for most applications

Air Sentry® set the industry gold standard with their first line of contamination control breathers in 1997 and today that standard is raised with GUARDIAN. Constructed of Tritan; this material is the most chemical, temperature, and impact resistant combination casing on the market. Also available with an isolation check valve, which isolates the adsorbent from exhaust air to lengthen service life of the desiccant while also protecting it from volatile and splashing fluids. In addition, a compound pressure gauge is available. The Guardian series is also stackable.

	MODEL	DESCRIPTION	CONNECTION	Isolation Check Valve	Compound Indicating Gauge	
SMALL	G5S1N	Air Sentry Guardian Silica Gel Desiccant Breather 9"H x 5.125"D 1.5 lbs of silica gel 9.2 fluid ounces of maximum adsorption capacity 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow	1" NPT			
	G5S1NC			•		
	G5S1NG				•	
	G5S1NGC			•	•	
	G5S2N		Air Sentry Guardian Silica Gel Desiccant Breather 12"H x 5.125"D 2.8 lbs of silica gel 17.2 fluid ounces of maximum adsorption capacity 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow	2" NPT		
	G5S2NC				•	
	G5S2NG					•
	G5S2NGC			•	•	
	G5S1B			1" BSP		
	G5S1BC				•	
G5S1BG		•				
G5S1BGC	•	•				
MEDIUM	G8S1N	Air Sentry Guardian Silica Gel Desiccant Breather 16"H x 5.125"D 4.5 lbs of silica gel 27.6 fluid ounces of maximum adsorption capacity 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow	1" NPT			
	G8S1NC			•		
	G8S1NG				•	
	G8S1NGC			•	•	
	G8S2N		Air Sentry Guardian Silica Gel Desiccant Breather 16"H x 5.125"D 4.5 lbs of silica gel 27.6 fluid ounces of maximum adsorption capacity 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow	2" NPT		
	G8S2NC				•	
	G8S2NG					•
	G8S2NGC			•	•	
	G8S1B			1" BSP		
	G8S1BC				•	
G8S1BG		•				
G8S1BGC	•	•				
LARGE	G12S1N	Air Sentry Guardian Silica Gel Desiccant Breather 16"H x 5.125"D 4.5 lbs of silica gel 27.6 fluid ounces of maximum adsorption capacity 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow	1" NPT			
	G12S1NC			•		
	G12S1NG				•	
	G12S1NGC			•	•	
	G12S2N		Air Sentry Guardian Silica Gel Desiccant Breather 16"H x 5.125"D 4.5 lbs of silica gel 27.6 fluid ounces of maximum adsorption capacity 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow	2" NPT		
	G12S2NC				•	
	G12S2NG					•
	G12S2NGC			•	•	
	G12S1B			1" BSP		
	G12S1BC				•	
G12S1BG		•				
G12S1BGC	•	•				



The Guardian costs more to purchase but it can pay for itself by extending the life of equipment where it is installed. Plus its modular design allows you to use it multiple ways.



MODEL	GUARDIAN ACCESSORIES
GSWDC	Guardian Shield Wash Down Cap
GMSR	Guardian Modular Stack Ring
GHCAF	Guardian High Capacity 0.3 micron HEPA Air Filter
A655	Integrated Compound Vacuum/Pressure Gauge

D & Z Series Breathers



D-Series

Disposable and for Stationary Applications

APPLICATIONS

- Storage Tanks
- Fluid Reservoirs
- Transformers
- Pumps
- Gearboxes

D-SERIES

Disposable and for Stationary Applications

The D-Series breathers feature numerous models in a variety of sizes, designed to satisfy the requirements of most stationary fluid management applications. All D-Series models feature 2-micron solid particle filtration. Constructed of industrial grade raw materials, tested to ensure a wide range of chemical compatibilities, and features high impact resistant ABS top and bottom caps.

HEIGHT INCH(CM)	MODEL	CONNECTION	DESCRIPTION
5 (12.7)	D101	1" slip fit	Air Sentry D-Series Silica Gel Desiccant Breather 5"H x 5"D / 1.4 lbs of silica gel 8.6 fluid ounces of maximum adsorption capacity
	S154	1" MNPT	
8 (20.3)	D102	1" slip fit	Air Sentry D-Series Silica Gel Desiccant Breather 8"H x 5"D / 2.7 lbs of silica gel 16.56 fluid ounces of maximum adsorption capacity
	D103	1" MNPT	
	D104	2" MNPT	
10 (25.4)	D108	2" MNPT	Air Sentry D-Series Silica Gel Desiccant Breather 10"H x 5"D / 3.5 lbs of silica gel 21.47 fluid ounces of maximum adsorption capacity
ALL D-SERIES BREATHERS FEATURE:			100% Silica Gel 20 cfm maximum air flow 150 gpm maximum reservoir fluid flow



Z-Series

Limited Space Applications

APPLICATIONS

- Storage Tanks
- Drums
- Totes
- Small Oil Containers

Z-Series

Limited Space Applications

Air Sentry® Z-Series breathers are designed for applications where space is limited or air flow requirements are below 5 cfm. The Z-Series is typically used on gearboxes and low fluid volume applications where mounting space is limited or where a larger breather won't fit without remote mounting.

HEIGHT INCH(CM)	MODEL	CONNECTION	DESCRIPTION
2 (5.1)	Z131	1/2" FNPT	Air Sentry Z-Series Silica Gel Desiccant Breather 2"H x 2"D / .08 lbs of silica gel .49 fluid ounces of maximum adsorption capacity
3.25 (8.3)	Z132		Air Sentry Z-Series Silica Gel Desiccant Breather 3.25"H x 2"D / .1 lbs of silica gel .92 fluid ounces of maximum adsorption capacity
2 (5.1)	Z133		Air Sentry Z-Series Silica Gel Desiccant Breather 2"H x 3.25"D / .3 lbs of silica gel 1.84 fluid ounces of maximum adsorption capacity
3.25 (8.3)	Z134		Air Sentry Z-Series Silica Gel Desiccant Breather 3.25"H x 5"D / .5 lbs of silica gel 3.06 fluid ounces of maximum adsorption capacity
5.5 (14)	Z135		Air Sentry Z-Series Silica Gel Desiccant Breather 5.5"H x 3.25"D / .8 lbs of silica gel 4.91 fluid ounces of maximum adsorption capacity
ALL Z-SERIES BREATHERS FEATURE:			100% Silica Gel 5 cfm maximum air flow 37 gpm maximum reservoir fluid flow

M & R Series Breathers



M-Series Heavy Duty Applications

APPLICATIONS

Heavy Duty Off-Road Equipment
Mobile Heavy Equipment
High Temperatures
Corrosive Chemicals

M-Series

Heavy Duty Applications

M-Series breathers are designed from heavy-duty materials capable of handling the requirements of the most severe environments. They replace the standard breather cap or vent tube on fuel tanks and fluid reservoirs. Pipe threads on the bottom standpipe make the units easy to install in moments. All M-Series designs have 2 micron pleated filters and silica gel bags that are easily replaced. They also feature the proprietary Splash Sentry™, which prevents foaming or splashing fluids from entering the breather during normal operating conditions.

HEIGHT INCH(CM)	MODEL	CONNECTION	DESCRIPTION
6.6 (16.8)	M103	1" MNPT	Air Sentry M-Series Silica Gel Desiccant Breather 6.6"H x 10"D / 2.1 lbs of silica gel 12.88 fluid ounces of maximum adsorption capacity 35 cfm max air flow / 262 gpm max reservoir fluid flow
	M104	2" MNPT	Air Sentry M-Series Silica Gel Desiccant Breather 6.6"H x 10"D / 2.1 lbs of silica gel 12.88 fluid ounces of maximum adsorption capacity 120 cfm max air flow / 900 gpm max reservoir fluid flow
12 (30.5)	M105	1" MNPT	Air Sentry M-Series Silica Gel Desiccant Breather 12"H x 10"D / 4.5 lbs of silica gel 27.6 fluid ounces of maximum adsorption capacity 35 cfm max air flow / 262 gpm max reservoir fluid flow
	M106	2" MNPT	Air Sentry M-Series Silica Gel Desiccant Breather 12"H x 10"D / 4.5 lbs of silica gel 27.6 fluid ounces of maximum adsorption capacity 120 cfm max air flow / 900 gpm max reservoir fluid flow
13.5 (34)	M107	3" MNPT	Air Sentry M-Series Silica Gel Desiccant Breather 5.5"H x 3.25"D / .8 lbs of silica gel 4.91 fluid ounces of maximum adsorption capacity 300cfm max air flow / 2250gpm max reservoir fluid flow
ALL M-SERIES BREATHERS FEATURE:			100% Silica Gel



R-Series High Vibration Applications

APPLICATIONS

Cranes
Railroad Equipment
Farm Implements
Construction Vehicles
Off-Road Trucks

R-Series

High Vibration Applications

Most heavy equipment - productive and on the move - is outfitted with hydraulic fluid tanks or reservoirs which breathe in the dirty outside air. R-Series breathers are ideal for these high vibration, mobile applications, including off-road, construction and farm vehicles. R-Series desiccant breathers are easily mounted in place of standard breather caps via rugged steel pipe threads and a reusable metal base. When the gold silica gel cartridge turns dark green, simply install a new replacement cartridge to keep things moving!

HEIGHT INCH(CM)	MODEL	CONNECTION	DESCRIPTION
6.5 (16.5)	R101	1" MNPT	Air Sentry R-Series Silica Gel Desiccant Breather 6.5"H x 5.2"D / 1.4 lbs of silica gel 8.6 fluid ounces of maximum adsorption capacity
9.5 (24.1)	R102		Air Sentry R-Series Silica Gel Desiccant Breather 9.5"H x 5.2"D / 2.7 lbs of silica gel 16.56 fluid ounces of maximum adsorption capacity
6 (15.2)	R111	1.125" FT	Air Sentry R-Series Silica Gel Desiccant Breather 6"H x 5.2"D / 1.4 lbs of silica gel 8.6 fluid ounces of maximum adsorption capacity
6.5 (16.5)	R121	2" MNPT	Air Sentry R-Series Silica Gel Desiccant Breather 6.5"H x 5.2"D / 1.4 lbs of silica gel 8.6 fluid ounces of maximum adsorption capacity
9.5 (24.1)	R122		Air Sentry R-Series Silica Gel Desiccant Breather 9.5"H x 5.2"D / 2.7 lbs of silica gel 16.56 fluid ounces of maximum adsorption capacity
12 (30.5)	R123		Air Sentry R-Series Silica Gel Desiccant Breather 12"H x 5.2"D / 3.5 lbs of silica gel 21.47 fluid ounces of maximum adsorption capacity
ALL R-SERIES BREATHERS FEATURE:			100% Silica Gel 25 cfm maximum air flow 187 gpm maximum reservoir fluid flow

X & XR Series Breathers



X-Series

High Humidity / High Dust Applications

APPLICATIONS

Paper Mills
Wash-Down Areas
Steam Cleaning Rooms
Mine Quarries

X-Series

High Humidity / High Dust Applications

X-Series Breathers are the perfect solution for high humidity and high dust environments. To extend the desiccants life, the X-Series incorporates 2 check valves and a reusable top cap. The check valves provide a closed system until airflow is required, extending the service life of the desiccant.

HEIGHT INCH(CM)	MODEL	Connection	DESCRIPTION
6.25 (16)	X100	1/2" FNPT	Air Sentry X-Series Silica Gel Desiccant Breather 6.25"H x 3.25"D / .8 lbs of silica gel 4.91 fluid ounces of maximum adsorption capacity 10 cfm maximum air flow 75 gpm maximum reservoir fluid flow Check valve PSI in/out: 0.3/0.3
7 (17.8)	X101	1" slip fit	Air Sentry X-Series Silica Gel Desiccant Breather 7"H x 5"D / 1.4 lbs of silica gel 8.6 fluid ounces of maximum adsorption capacity 20 cfm maximum air flow 150 gpm maximum reservoir fluid flow Check valve PSI in/out: 0.1/2.0
	X103	1" MNPT	
	X121	2" MNPT	
	X102	1" slip fit	
	X105	1" MNPT	
	X122	2" MNPT	
10 (25.4)	X501	1" slip fit	Air Sentry X-Series Silica Gel Desiccant Breather 10"H x 5"D / 2.7 lbs of silica gel 16.56 fluid ounces of maximum adsorption capacity 20 cfm maximum air flow 150 gpm maximum reservoir fluid flow Check valve PSI in/out: 0.1/0.1
	X503	1" MNPT	
	X521	2" MNPT	
	X502	1" slip fit	
	X505	1" MNPT	
	X522	2" MNPT	

ALL X-SERIES BREATHERS FEATURE:

100% Silica Gel



XR-Series

Extreme Environment Applications

APPLICATIONS

Wind Power Generation
Mining Equipment
Mobile Equipment

XR-Series

Extreme Environment Applications

Air Sentry XR-Series breathers, originally conceived for the wind power industry, are designed to perform in any extreme environment 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 uses two check valves to prevent outside moisture and solid contaminants from entering the breather until there is a need for airflow.

HEIGHT INCH(CM)	MODEL	Connection	DESCRIPTION
8.5 (21.6)	XR101	1" MNPT	Air Sentry X-Series Silica Gel Desiccant Breather 8.5"H x 5.2"D / 1.4 lbs of silica gel 8.6 fluid ounces of maximum adsorption capacity Check valve PSI in/out: 0.1/2.0
	XR121	2" MNPT	
	XR501	1" MNPT	
	XR521	2" MNPT	
11.5 (29.2)	XR102	1" MNPT	Air Sentry X-Series Silica Gel Desiccant Breather 11.5"H x 5.2"D / 2.7 lbs of silica gel 16.56 fluid ounces of maximum adsorption capacity Check valve PSI in/out: 0.1/2.0
	XR122	2" MNPT	
	XR502	1" MNPT	
	XR522	2" MNPT	
14 (35.6)	XR108	2" MNPT	Air Sentry X-Series Silica Gel Desiccant Breather 14"H x 5.2"D / 3.5 lbs of silica gel 21.47 fluid ounces of maximum adsorption capacity Check valve PSI in/out: 0.1/2.0
	XR508	2" MNPT	

ALL XR-SERIES BREATHERS FEATURE:

100% Silica Gel
25 cfm maximum air flow
187 gpm maximum reservoir fluid flow

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