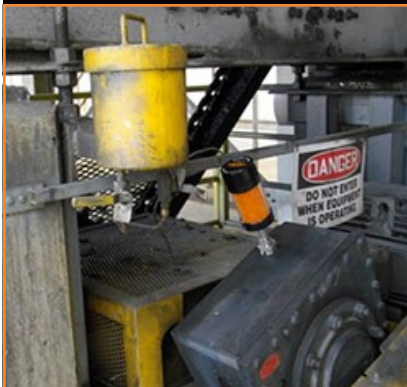




www.airsentrybreathers.com

Air Sentry®

930 Whitmore Drive
Rockwall, Texas 75087
(800) 699-6318
(972) 771-1000
(972) 722-4561 fax



A Division of The Whitmore Group

Gearboxes

Gearboxes are used on various types of industrial machinery to provide increased torque while reducing speed from one type of rotating power source to another using gear ratios. A gearbox can be set up to do the opposite and provide an increase in speed with a reduction of torque. Some of the simplest gearboxes merely change the physical direction in which power is transmitted.



Defend your gearbox against the ingress of water vapor and small particles with an Air Sentry® breather.

Gearboxes are used in many applications, such as wind turbines, conveyors, draglines, bridges, wastewater treatment pumping systems, and many other large pieces of machinery that require a power source.

The Air Sentry® X-100 is the most commonly recommended breather for gearboxes. Airflow requirements for gearboxes are usually very low, as the fluid level rarely changes. Dual check valves in the top cap open at minimal pressure changes, allowing air to flow in and out as needed while maximizing the life of the silica gel. Replacement silica gel cartridges allow for easy, economical change out that create no down time for the equipment being protected from dirt and moisture.



For more information, please visit our website www.airsentrybreathers.com



X- Series - High Humidity/Dust Applications

Model	Check Valve PSI In/Out	Height inches (cm)	Diameter inches (cm)	Mounting Connection	Silica Gel lbs (kg)	Maximum Adsorption Capacity fl. ounces (mL)	Maximum Air Flow cfm	Maximum Reservoir Fluid Flow gpm	Type of Medium	Uses Replacement Cartridge
X-100	0.3 / 0.3	6.25 (15.9)	3.25 (8.3)	½" FNPT	0.8 (0.4)	4.91 (145)	10	75	100% Silica Gel	L-143
X-101	0.1/2.0	7 (17.8)	5 (12.7)	1" slip fit	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	A-341
X-102	0.1/2.0	10 (25.4)	5 (12.7)	1" slip fit	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel	A-342
X-103	0.1/2.0	7 (17.8)	5 (12.7)	1" MNPT	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	A-345
X-105	0.1/2.0	10 (25.4)	5 (12.7)	1" MNPT	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel	A-346
X-121	0.1/2.0	7 (17.8)	5 (12.7)	2" MNPT	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	A-343
X-122	0.1/2.0	10 (25.4)	5 (12.7)	2" MNPT	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel	A-344
X-501	0.1/0.1	7 (17.8)	5 (12.7)	1" slip fit	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	A-341
X-502	0.1/0.1	10 (25.4)	5 (12.7)	1" slip fit	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel	A-342
X-503	0.1/0.1	7 (17.8)	5 (12.7)	1" MNPT	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	A-345
X-505	0.1/0.1	10 (25.4)	5 (12.7)	1" MNPT	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel	A-346
X-521	0.1/0.1	7 (17.8)	5 (12.7)	2" MNPT	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	A-343
X-522	0.1/0.1	10 (25.4)	5 (12.7)	2" MNPT	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel	A-344