

Industrial Breathers: Clean Dry Air



Disposable Stationary Applications:

The W05AX Series breathers are constructed of industrial grade raw materials. The materials are tested to ensure a wide range of chemical compatibilities. The W05AX Series features high impact resistant ABS top and bottom caps. The clear acrylic tube make it easy to inspect the condition of the color-changing silica gel from a distance. The silica gel turns from gold to dark green to visually indicate the adsorption of moisture and to confirm that the breather is getting the job done.

Ideal For:	
›	Storage Tanks
›	Fluid Reservoirs
›	Transformers
›	Pumps
›	Gearboxes

Ideal For:	
›	Cranes
›	Railroad Maintenance of Way Equipment
›	Farm
›	Construction
›	Off-Road Trucks and Equipment

High Vibration Shock Resistant Breathers:

W06AX Series breathers are ideal for these high vibration, mobile applications, including off-road, construction and farm vehicles. W06AX 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.



High Humidity / High Dust Breathers:

W07AX Series breathers are the perfect solution for high humidity and high dust environments. The W07AX Series incorporates 2 check valves and a reusable top cap. The valves provide a closed system until airflow is required, extending the service life of the desiccant. In addition to having a rugged design, W07AX Series breathers include a top cap that can be reused when the desiccant is spent. The rebuildable design allows for easy replacement of the desiccant cartridge.

Ideal For:	
›	Paper Mills
›	Wash-Down Areas
›	Steam Cleaning Areas
›	Mines & Quarries

Ideal For:	
›	Gearboxes
›	Drums
›	Totes
›	Small Oil Containers

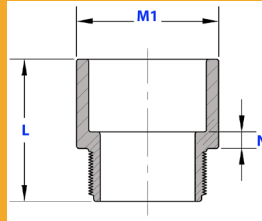
Limited Space Applications:

W08AX Series breathers are designed for applications where space is limited or air flow requirements are below 10 cubic feet per minute (CFM). The W08AX Series are typically used on gearboxes and low fluid volume applications. When there are mounting space limits or when a larger breather is not needed, the W08AX breather is the right choice.



Part Number	Height in. (cm)	Diameter in. (cm)	Silica Gel lbs. (kg)	Water Capacity fl. oz (ml)	Max Air Flow - CFM	Max Reservoir Fluid Flow - GPM	Fitting
W05AX Series: Standard Disposable Housing							
W05AX100	3.5 (8.9)	5 (12.7)	0.8 (0.4)	4.91 (145)	20	150	1" friction
W05AX101	5 (12.7)	5 (12.7)	1.4 (0.6)	8.6 (254)	20	150	1" friction
W05AX102	8 (20.3)	5 (12.7)	2.7 (1.2)	16.56 (489)	20	150	1" friction
W05AX103	8 (20.3)	5 (12.7)	2.7 (1.2)	16.56 (489)	20	150	1" MNPT
W05AX108	10 (25.4)	5 (12.7)	3.5 (1.6)	21.47 (634)	20	150	2" MNPT
W06AX Series: High Vibration / Shock Resistant							
W06AX100	5 (12.7)	5.2 (13.2)	0.8 (0.4)	4.91 (145)	25	187	1" MNPT
W06AX101	6.5 (16.5)	5.2 (13.2)	1.4 (0.6)	8.6 (254)	25	187	1" MNPT
W06AX102	9.5 (24.1)	5.2 (13.2)	2.7 (1.2)	16.56 (489)	25	187	1" MNPT
W06AX123	12 (30.5)	5.2 (13.2)	3.5 (1.6)	21.47 (634)	25	187	2" MNPT
W06AX150	12 (30.5)	5.2 (13.2)	3.5 (1.6)	21.47 (634)	25	187	1.5" MNPT
W06AX300	3.75 (9.53)	5 (12.7)	0.8 (0.4)	4.91 (145)	25	187	Replacement for W06AX100
W06AX301	5 (12.7)	5 (12.7)	1.4 (0.6)	8.6 (254)	25	187	Replacement for W06AX101
W06AX302	8 (20.3)	5 (12.7)	2.7 (1.2)	16.56 (489)	25	187	Replacement for W06AX102
W06AX323	10 (25.4)	5 (12.7)	3.5 (1.6)	21.47 (634)	25	187	Replacement for W06AX123 & W06AX150
W07AX Series: High Humidity / High Dust (Check Valve PSI In/Out 0.3 / 2.1)							
W07AX101	7 (17.8)	5 (12.7)	1.4 (0.6)	8.6 (254)	20	150	1" Slip Fit
W07AX102	10 (25.4)	5 (12.7)	2.7 (1.2)	16.56 (489)	20	150	1" Slip Fit
W07AX121	7 (17.8)	5 (12.7)	1.4 (0.6)	8.6 (254)	20	150	2" MNPT
W07AX122	10 (25.4)	5 (12.7)	2.7 (1.2)	16.56 (489)	20	150	2" MNPT
W07AX341	5.5 (14)	5 (12.7)	1.4 (0.6)	8.6 (254)	20	150	Replacement for W07AX101
W07AX342	8.5 (21.6)	5 (12.7)	2.7 (1.2)	16.56 (489)	20	150	Replacement for W07AX102
W07AX343	5.5 (14)	5 (12.7)	1.4 (0.6)	8.6 (254)	20	150	Replacement for W07AX121
W07AX344	8.5 (21.6)	5 (12.7)	2.7 (1.2)	16.56 (489)	20	150	Replacement for W07AX122
W08AX Series: Limited Space Applications							
W08AX131	2 (5.1)	2 (5.1)	0.08 (0.04)	0.49 (14)	5	37	1/2" FNPT
W08AX132	3.25 (8.3)	2 (5.1)	0.10 (0.05)	0.92 (27)	5	37	1/2" FNPT
W08AX133	2 (5.1)	3.25 (8.3)	0.3 (0.1)	1.84 (54)	5	37	1/2" FNPT
W08AX134	3.25 (8.3)	3.25 (8.3)	0.5 (0.2)	3.06 (90)	5	37	1/2" FNPT

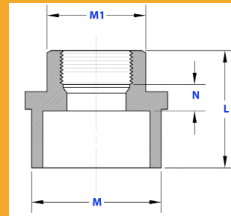
W08AX Series: Limited Space Applications



Fits Breathers:
W05AX100; W05AX101; W05AX102; W07AX101;
W07AX102

Part #	Material	Connection to Breather	Connection to Reservoir	M1 (inches)	N (inches)	L (inches)	Max. breather flow with this adapter (cfm)
W09AX100	Schedule 40 PVC	1" slip fit	1" male NPT	1 5/8	7/32	2	35
W09AX101	Schedule 40 PVC	1" slip fit	3/4" male NPT	1 21/32	3/16	2	26
W09AX102	Schedule 40 PVC	1" slip fit	1/2" male NPT	1 9/16	5/8	2 7/16	10
W09AX103	Schedule 40 PVC	1" slip fit	1" male BSP	1 5/8	7/32	2 1/8	35

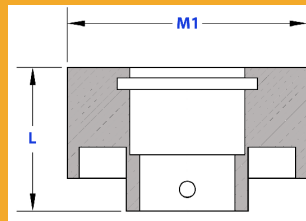
Slip Fit Threaded Adapters (female)



Fits Breathers:
W05AX100; W05AX101; W05AX102; W07AX101;
W07AX102

Part #	Material	Connection to Breather	Connection to Reservoir	M & M1 (inches)	N	L	Max. breather flow with this adapter (cfm)
W09AX104	Schedule 40 PVC	1" slip fit	1/2" female NPT	M=1 11/16 M1=1 3/16	5/32	2	10

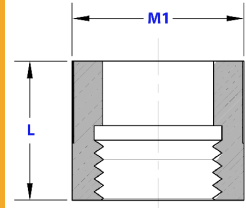
Slip Fit Bayonet Adapters



Fits Breathers:
W05AX100; W05AX101; W05AX102; W07AX101;
W07AX102

Part #	Material	Connection to Breather	Connection to Reservoir	M1 (inches)	L	Max. breather flow with this adapter (cfm)
W09AX105	High Density EDPM, Gasket, Metal Dowel	1" slip fit	Bayonet push & turn connection	2 3/4"	1 5/8	35

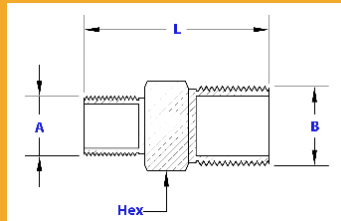
Slip Fit Threaded Spin-On Adaptors



Fits Breathers:
W05AX100; W05AX101; W05AX102; W07AX101;
W07AX102

Part #	Material	Connection to Breather	Connection to Reservoir	M1 (inches)	L (inches)	Max. breather flow with this adapter (cfm)
W09AX106	High Density EDPM	Slip fit - 1" with O-ring seal	1" -12 UNF; 3/4" thread length	2"	1 5/8"	35
W09AX197	High Density EDPM	Slip fit - 1" with O-ring seal	1 1/2" - 16 UNF; 3/4" thread length	1 21/32"	2"	35
W09AX108	Delrin	Slip fit - 1" with O-ring seal	1 1/2" - 16 UNF; 3/4" thread length	1 9/16"	2 7/16"	35

Threaded Metal Adapters



Fits Breathers:
W08AX131; W08AX132; W08AX133; W08AX134

Part #	Material	Connection to Breather (A)	Connection to Reservoir (B)	L (inches)	Hex Size (inches)	Max. breather flow with this adapter (cfm)
W09AX109	Carbon Steel	1/2" male NPT	1/4" male NPT	1 5/8"	7/8"	5
W09AX110	Carbon Steel	1/2" male NPT	1/4" female NPT	1 1/2"	7/8"	5
W09AX111	Carbon Steel	1/2" male NPT	3/8" male NPT	1 5/8"	7/8"	7
W09AX113	Carbon Steel	1/2" male NPT	3/4" male NPT	1 7/8"	1 1/16"	10
W09AX114	Carbon Steel	1/2" male NPT	1" female NPT	1 15/16"	1 3/8	10
W09AX115	Carbon Steel	1/2" male NPT	1" male NPT	2 3/32"	1 1/16	10

W10AX LONGER LIFE PREMIUM BREATHER



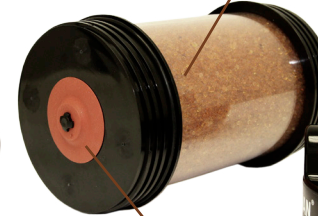
Washdown Cap available for environments where frequent equipment cleaning occurs.

W10AX806

Bottom Cap with Outlet Check Valves



Replacement Cartridge
Note: Only W10AX
Replacement Cartridges can
be used with Caps.



Top Cap with Inlet Check Valves

Isolation Valve prevents backwards flow of tank fumes.

The W10AX Premium Desiccant Breather Series offers several advantages over other constructions. Longer life, Check Valve Technology, an Isolation Valve, and a 2 Micron solid particulate filter make this series suitable for a wide range of uses including fume emitting applications. Reusable top and bottom caps readily accommodate replacement cartridges making the W10AX Breather Series a cost effective, efficient option for both solid contaminant and moisture control.

The breather's color coded guide along with the clear acrylic tube makes it easy to monitor the condition of the color-changing silica gel. This feature, along with the easy screw in/out replacement cartridges, make servicing the product a snap!

Ideal For:	
›	Storage Tanks
›	Fluid Reservoirs
›	Transformers
›	Pumps
›	Gearboxes
›	Recommended for Gas, Bio-Diesel, and Diesel Tanks below 20k Gallons.

Part Number	Height in. (cm)	Diameter in. (cm)	Silica Gel lbs. (kg)	Water Capacity fl. oz (ml)	Max Air Flow - CFM	Max Reservoir Fluid Flow - GPM	Fitting	Check Valve PSI in/out	Isolation Check Valve	Replacement Cartridge
W10AX Series: Premium Breather with Check Valves, Isolation Check Valve (Includes Top and Bottom Caps)										
W10AX800	12 (30.5)	5 (12.7)	2.8 (1.27)	17.2 (508.7)	25	187	1"NPT	0.1/0.1	Yes	W10AX821
W10AX801	12 (30.5)	5 (12.7)	2.8 (1.27)	17.2 (508.7)	25	187	2"NPT	0.1/0.1	Yes	W10AX821
W10AX802	12 (30.5)	5 (12.7)	2.8 (1.27)	17.2 (508.7)	25	187	1"BSP	0.1/0.1	Yes	W10AX821
W10AX803	16" (40.6)	5 (12.7)	4.5 (2)	27.6 (816)	25	187	1"NPT	0.1/0.1	Yes	W10AX822
W10AX804	16" (40.6)	5 (12.7)	4.5 (2)	27.6 (816)	25	187	2"NPT	0.1/0.1	Yes	W10AX822
W10AX Series: Replacement Cartridges										
W10AX821	8 (20.3)	5 (12.7)	2.8 (1.27)	17.2 (508.7)	NA	NA	NA	NA	Yes	NA
W10AX822	12" (30.5)	5 (12.7)	4.5 (2)	27.6 (816)	NA	NA	NA	NA	Yes	NA

Note: W10AX Series replacement cartridges should only be used with W10AX Series Top and Bottom Caps. When using cartridges with Isolation Valve, ensure that the cartridge is oriented with the valve at the bottom.