

Extended Series Breathers

High airflow with check-valves



Combining new technology with field-proven product designs, the EX Series disposable desiccant breathers deliver: Higher Flow, Larger Capacity, Check-valve Technology and new Honeycomb Oil Mist Reducer.

- More desiccant, longer life → bigger disposable housing
- Higher air flow → 24 to 27 cfm vs. 16 cfm in our other disposables
- Hybrid, reliable check-valve technology – from XD-6 and Aquaguard® breathers
- Honeycomb oil mist reducer technology – New technology patented pending

Applications: Storage Tanks, Wind Turbines, Large Gearboxes, Remote Applications

Materials & Components:

Filter Media: Polyurethane, polyester
Hydrophilic Agent: Silica gel
All Other Materials: Polycarbonate, nylon, polypropylene, PVC, Buna-N, silicon, EPDM

Filter Efficiency:

(3μ absolute (β₃ ≥ 200))

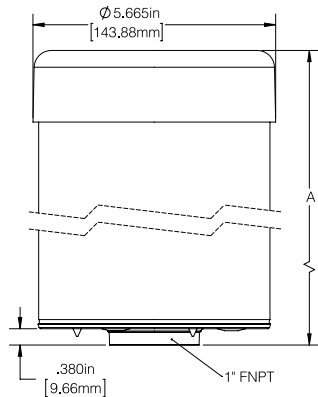
Recommended Temperature Range:

-20°F to 200°F
-29°C to 93°C

Chemical Compatibility:

<u>Recommended:</u>	<u>Not Recommended:</u>
All Gear Oil	Hydrogen Sulfide
Most Hydraulic Fluid	Sulfuric Acid
Mineral & Synthetic Oil	Highly Alkaline Cleaners

Measurements:



Breathers	Height (A)
BB-EX-1	4.7in/119mm
BB-EX-2	6.4in/163mm
BB-EX-3	8.2in/208mm
BB-EX-4	10.0in/254mm

Sizing Recommendations:

Model	Max. Airflow at 1psid	Recommended Max. Volume	
		Gearbox/Storage Tank	Hydraulic Reservoir
BB-EX-1	27cfm/765lpm	400gal/1514L	100gal/379L
BB-EX-2	26cfm/736lpm	600gal/2271L	200gal/757L
BB-EX-3	25cfm/708lpm	800gal/3028L	300gal/1136L
BB-EX-4	24cfm/680lpm	1000gal/3785L	400gal/1514L

Weight & Connections:

Model	Connection	lbs of Desiccant	Shipping Weight (unit/case)
BB-EX-1	1" Female (FNPT)	1.2lb/0.54kg	3lbs/18lbs 1.36kg/8.16kg
BB-EX-2	1" Female (FNPT)	2.2lb/1.0kg	4.1lbs/26lbs 1.86kg/11.79kg
BB-EX-3	1" Female (FNPT)	3.2lb/1.45kg	5.5lbs/33lbs 2.49kg/14.97kg
BB-EX-4	1" Female (FNPT)	4.2lb/1.91kg	6.5lbs/40lbs 2.95kg/18.14kg

Water Adsorption Capacity:

Size	Maximum Water Retention
BB-EX-1	7.7fl. oz./228ml
BB-EX-2	14.1fl. oz./417ml
BB-EX-3	20.5fl. oz./606ml
BB-EX-4	27.0fl. oz./798ml

BEACH

BREATHERS

For clean, dry air

How It Works:

As wet, contaminated air is drawn through the unit, multiple 3-micron polyester filter elements remove solid particulate, and the color-indicating silica gel extracts moisture. When air is expelled from the container, the top foam pad prevents oil mist from contacting silica gel or entering the atmosphere.

Additionally, the breather is outfitted with a resilient nylon standpipe and polypropylene oil mist reducer to allow oil mist to coalesce and drain back into the reservoir, rather than compromising the desiccant. Six high-quality umbrella check-valves are located underneath the unit to isolate equipment from ambient conditions, prolonging breather life and protecting system integrity.

By the Numbers:

1—Six Check-Valves

High-quality umbrella check-valves that won't clog or stick are located underneath the unit for added protection from washdown environments. Check-valves isolate equipment from ambient conditions prolonging breather life, and protecting system integrity.

2—Integrated Nylon Standpipe

The integrated standpipe provides excellent vibration resistance and dissipates impact throughout the unit, eliminating weak points. It also allows even airflow distribution throughout the unit, preventing inaccurate readings of desiccant saturation.

3—Honeycomb Technology Oil Mist Reducer

The oil mist reducer is situated inside the standpipe, made from polypropylene for maximum chemical compatibility. Mimicking nature's intricate honeycomb design, this feature allows oil mist to coalesce and drain back into the reservoir, rather than compromising the desiccant.

4—Resilient Polycarbonate Body

Shock-absorbing, clear casing provides reliable service, easy visual maintenance, and UV resistance.

5—Filter Element

Polyester filter element removes airborne contamination to 3-micron absolute. Unique loops allow particles to release during system exhalation, helping to increase breather life.

6—Foam Pad

Foam filter captures any oil mist and disperses incoming air evenly over filtration and drying areas.

7—Water Vapor Adsorbent

Silica gel adsorbs water from incoming air and can hold up to 40% of its weight. Condition is indicated by change of color from blue to light pink.

8—Secondary Filter Element

Second polyester filter element protects against migration of desiccant dust, providing maximum efficiency.

9—Threaded Mounting

Internal threads provide durability and stability and can be used with one of several adapters.



Typical Industries:

- Wind Energy
- Storage
- Pulp & Paper
- Mining
- Aviation
- Manufacturing
- Petrochemical

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