

Extended Series® Breathers

High airflow, long-lasting desiccant breathers with check-valve technology ideal for tank farms and large applications.



MATERIALS & COMPONENTS:

- **Housing:** Nylon 6/6 30% Glass Filled, Polycarbonate, Polypropylene, Silicone
- **Seals:** Buna-N, EPDM, PVC
- **Filter Media:** Polyester, Polyurethane
- **Hydrophilic Media:** Silica Gel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels (Contact Des-Case technical support for chemical compatibility inquiries)

PERFORMANCE SPECIFICATIONS:

Product Code	DC-EX-1	DC-EX-2	DC-EX-3	DC-EX-4
Temperature Range	-20°F to 200°F (-29°C to 93°C)			
Filter Efficiency	3 µm absolute			
Check Valve Cracking Pressure	.1 psi (.007 bar)			
Amount of Desiccant	1.2 lbs (544 g)	2.2 lbs (998 g)	3.2 lbs (1452 g)	4.2 lbs (1905 g)
Water Adsorption Capacity (Maximum Water Retention)	7.7 fl oz (228 ml)	14.1 fl oz (417 ml)	20.5 fl oz (606 ml)	27.0 fl oz (798 ml)
Color Indication	Blue to Pink			
²Application Sizing Recommendations				
Max. Airflow at ΔP 1 psi [.07 bar]	27 cfm (765 l/min)	26 cfm (736 l/min)	25 cfm (708 l/min)	24 cfm (680 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	202 gpm (765 l/min)	195 gpm (736 l/min)	187 gpm (708 l/min)	180 gpm (680 l/min)
Gearbox, Pump & Storage Tank	400 gal (1514 L)	600 gal (2271 L)	800 gal (3028 L)	1000 gal (3785 L)
Hydraulic & Central Lube Reservoir	100 gal (379 L)	200 gal (757 L)	300 gal (1136 L)	400 gal (1514 L)

¹NOTE: Small variations in the manufacturing process can be common and will be within the allowable engineering tolerances.

²NOTE: This is intended as a general guideline for sizing only; other considerations, such as: humidity level, frequency of air flow, ambient temperatures, and chemical compatibility are very important in sizing a breather properly. Larger applications and special circumstances typically require the most thorough analysis. Please contact Des-Case for assistance in sizing a breather.

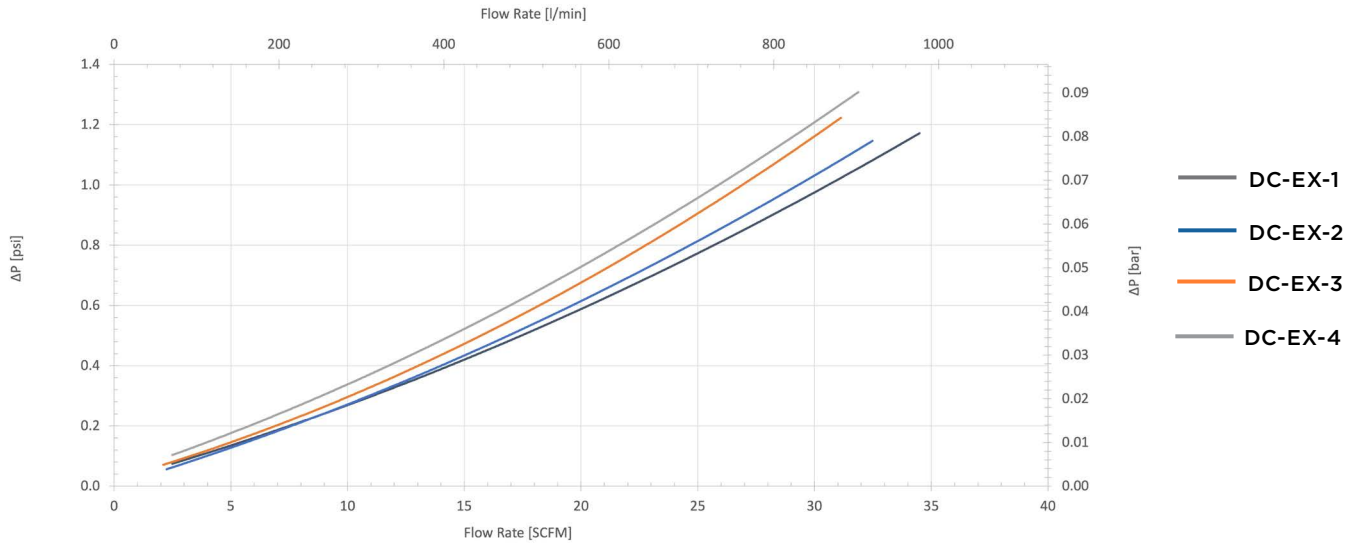
Typical Applications:

- Storage Tanks
- Wind Turbines
- Large Gearboxes
- Remote Applications

Typical Industries:

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

AIRFLOW:



DIMENSIONS:

	A	B	C
Product Code	Inch / mm	Inch / mm	Inch / mm
DC-EX-1	4.7 / 119	5.7 / 143	0.4 / 10
DC-EX-2	6.4 / 163		
DC-EX-3	8.2 / 208		
DC-EX-4	10.0 / 254		
Thread Size			
1" Female (FNPT)			

