

Standard Series Breathers

Basic protection from moisture and particulate contamination in lubricant and equipment.



MATERIALS & COMPONENTS:

- **Housing:** Polycarbonate, Nylon 6/6 30% Glass Filled, Polypropylene
- **Seals (Miniature):** Buna-N, EPDM, PVC
- **Seals (Standard):** Buna-N, PVC
- **Filter Media:** Polyurethane, Polyester
- **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)

¹PERFORMANCE SPECIFICATIONS:

Product Code	DC-BB	DC-1	DC-2	DC-3	DC-4
Temperature Range	-20°F to 200°F (-29°C to 93°C)				
Filter Efficiency	3 µm absolute				
Amount of Desiccant	.1 lbs (59 g)	.3 lbs (127 g)	.8 lbs (299 g)	1.4 lbs (553 g)	2.0 lbs (853 g)
Water Adsorption Capacity (Maximum Water Retention)	.8 fl oz (23 ml)	1.7 fl oz (50 ml)	5 fl oz (144 ml)	9 fl oz (253 ml)	12 fl oz (359 ml)
Color Indication	Blue to Pink				
²Application Sizing Recommendations					
Max. Airflow at ΔP 1 psi [.07 bar]	5 cfm (141 l/min)	4 cfm (113 l/min)	16 cfm (453 l/min)	16 cfm (453 l/min)	16 cfm (453 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	34 gpm (129 l/min)	31 gpm (118 l/min)	120 gpm (453 l/min)	120 gpm (453 l/min)	120 gpm (453 l/min)
Gearbox, Pump & Storage Tank	15 gal (57 L)	35 gal (132 L)	200 gal (757 L)	350 gal (1325 L)	500 gal (1893 L)
Hydraulic & Central Lube Reservoir	2 gal (8 L)	5 gal (19 L)	60 gal (227 L)	100 gal (379 L)	200 gal (757 L)

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

²**NOTE:** 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:

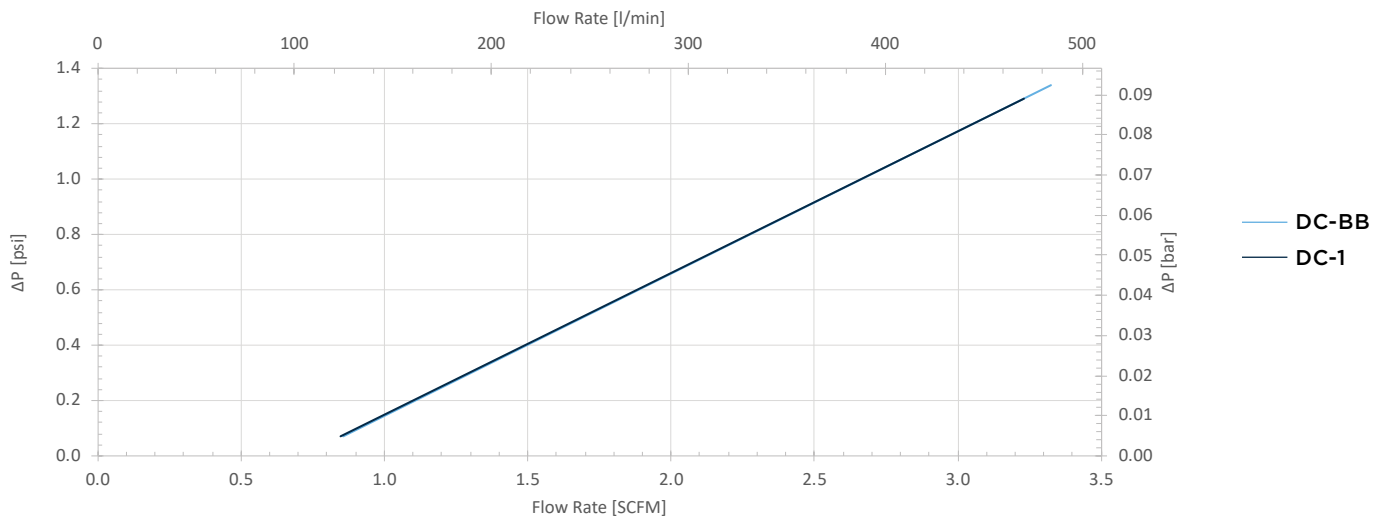
- Totes / Drums
- Storage Tanks
- Wind Turbine
- Transformers

Typical Industries:

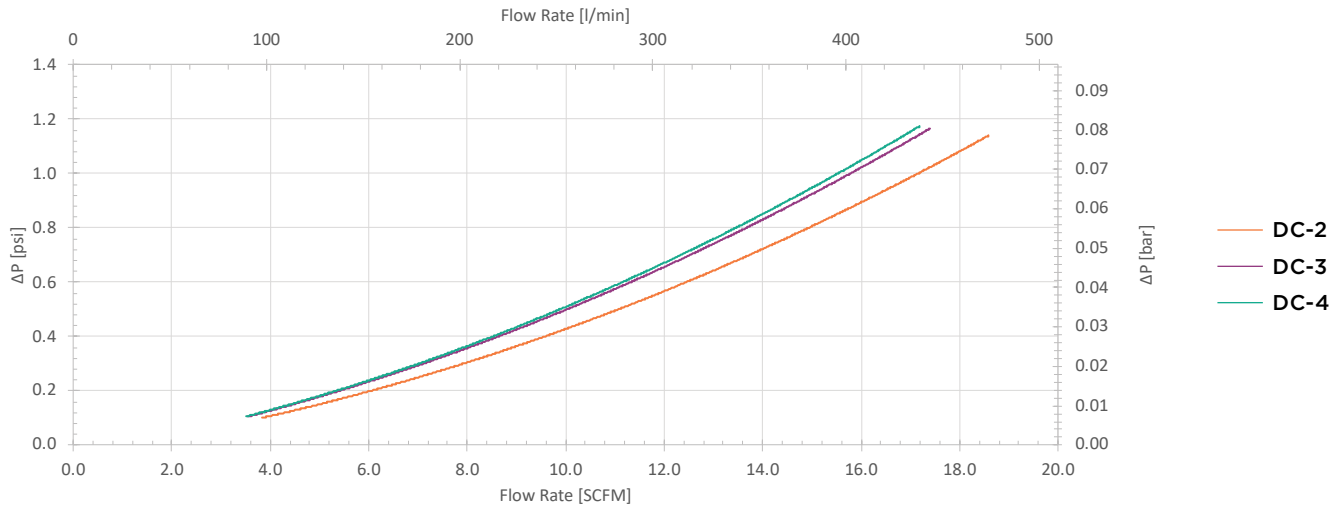
- Manufacturing
- Automotive
- Power Generation & Distribution
- Wind

AIRFLOW:

MINIATURE



STANDARD



DIMENSIONS:

	Style	A	B	C
Part Code	Miniature or Standard	Inch / mm	Inch / mm	Inch / mm
DC-BB	Miniature	3.9 / 98	3.4 / 87	2.5 / 64
DC-1	Miniature	5.4 / 136	4.9 / 125	2.5 / 64
DC-2	Standard	6.0 / 152	5.3 / 135	4.1 / 104
DC-3	Standard	8.0 / 203	7.3 / 186	4.1 / 104
DC-4	Standard	10.0 / 254	9.3 / 237	4.1 / 104
Thread Size				
MINIATURE	3/8" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 3/8" NPT; 3/8" BSPT; 3/8" BSPP			
STANDARD	1" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 1" NPT; 1" NPSM; 1" BSPT; 1" BSPP			

