

Customized Desiccant Breathers

Every element of Des-Case's Customized Desiccant Breathers have been designed to work in a wide variety of industries. Des-Case offers several secondary agent media options that prevent fumes and other contaminants from entering equipment. The media in secondary agent breathers can be mixed to meet specific environmental and chemical needs.

Each breather is outfitted with a clear, rugged polycarbonate casing and an integrated nylon standpipe that provides greater chemical compatibility and vibration resistance.

With over 25 years of contamination control expertise, Des-Case's innovative breathers are an affordable and cost effective solution to extend lubricant life and increase equipment productivity.

Customizable options include:



Orange Silica Gel



Activated Carbon



Molecular Sieve



Activated Alumina



Layered
(Blue Silica Gel
& Molecular Sieve)

Model No.	DC-2SBNCXX*	DC-3SBNCXX*	DC-4SBNCXX*
Unit Height	6.125" / 155.6 mm	8.125" / 206.4 mm	10.125" / 257.2 mm
Diameter	4" / 101.6 mm	4" / 101.6 mm	4" / 101.6 mm
Shipping Weight (unit/case)	1.21 lbs. / 7.73 lbs 0.55 kg / 3.51 kg	1.87 lbs. / 11.74 lbs. 0.85 kg / 5.32 kg	2.63 lbs. / 16.13 lbs 1.2 kg / 7.33 kg
Max. Amount of Silica Gel	0.66 lbs / 0.30 kg	1.22 lbs. / 0.56 kg	1.88 lbs. / 0.84 kg
Max. Adsorption Capacity**	4 fl. oz. / 118.2 mL	7.45 fl. oz / 220.3 mL	11.3 fl. oz. / 333 mL
Max. Flow Rate	(cfm) 16 @ 1 psid	16 @ 1 psid	16 @ 1 psid
	(lpm) 453	453	453
Operating Temp. Range	-20°F to 200°F / -29°C to 93°C	-20°F to 200°F / -29°C to 93°C	-20°F to 200°F / -29°C to 93°C
Body Material	Polycarbonate, Nylon, Polypropylene, Polyester, Polyurethane, Buna-N, PVC		
Hydrophilic Agent	Silica Gel	Silica Gel	Silica Gel
Filter Media	Polyester	Polyester	Polyester
Connection Size	1" Multi-Fit (NPT, BSPT, NPSM)		

The above specifications are for a silica gel-only hydrophilic agent breather. Some specifications for a breather containing a secondary agent would change.

* Note: "XX" denotes percentage of secondary agent. For example, DC-2SBNC25 is a DC-2 with 25% activated carbon.

** Same as the equivalent standard desiccant breather at maximum.

Foam Pad

Reduces oil mist that contacts silica gel during exhalation and ensures outgoing air is evenly dispersed through the filters and desiccant.

Activated Carbon

Secondary adsorbent filters additional contaminants for your application. Can be added in 25% ratios.

Water Vapor Adsorbent

Silica gel absorbs water from incoming air. Indicates condition by change of color from blue to pink.

Filter Element

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

Air Vents

Individual air intakes are opened based on the flow requirements of the system. Rated for 16 cfm. Plugs keep unit inactive until use.

Filter Element

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

Resilient Polycarbonate Body

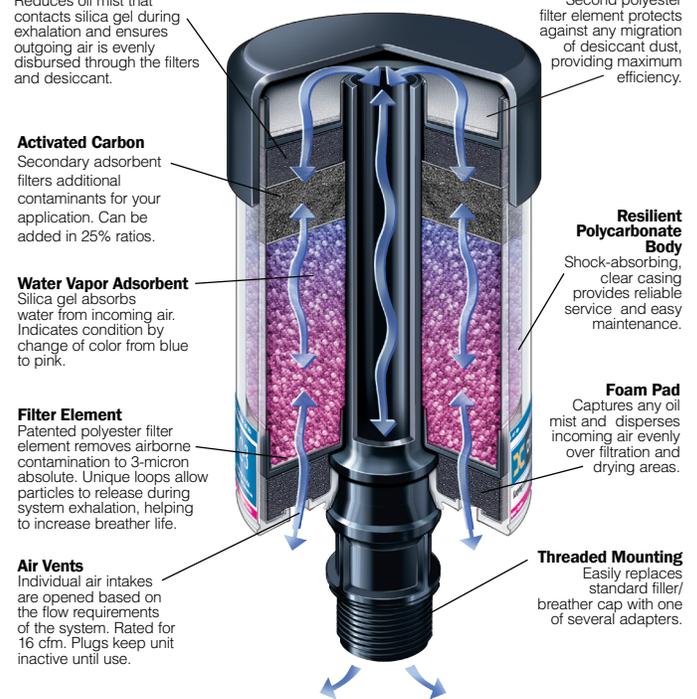
Shock-absorbing, clear casing provides reliable service and easy maintenance.

Foam Pad

Captures any oil mist and disperses incoming air evenly over filtration and drying areas.

Threaded Mounting

Easily replaces standard filler/breather cap with one of several adapters.



Example: 25% Activated Carbon Breather

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