

## VentGuard™ Hybrid Breathers

For low-flow applications

### Specifications

- Internal check valve system creates a nearly-sealed system
- Integrated nylon standpipe and clear polycarbonate casing allow for greater chemical compatibility and vibration resistance
- Filter element captures particles at 3 micron absolute ( $\beta_3 \geq 200$ )

### Ideal for ...

- Gearboxes and other low-flow applications



### Benefits

- Eliminates rust-forming condensation
- Prevents sludge deposits and water-contaminated oil
- Provides longer oil and filter life
- Reduces wear and tear on equipment, prolongs life

From the core standpipe to the tough polycarbonate exterior, every element of Des-Case's VentGuard™ hybrid breather has been designed to stand up to a wide variety of industries and applications.

The breather is outfitted with check valves to ensure no excess pressure/vacuum builds. A clear, rugged polycarbonate casing allows for viewing desiccant as it changes color, indicating that the breather should be replaced.

Des-Case breathers attack the source of contamination, allowing your equipment and lubricants to run longer and harder.

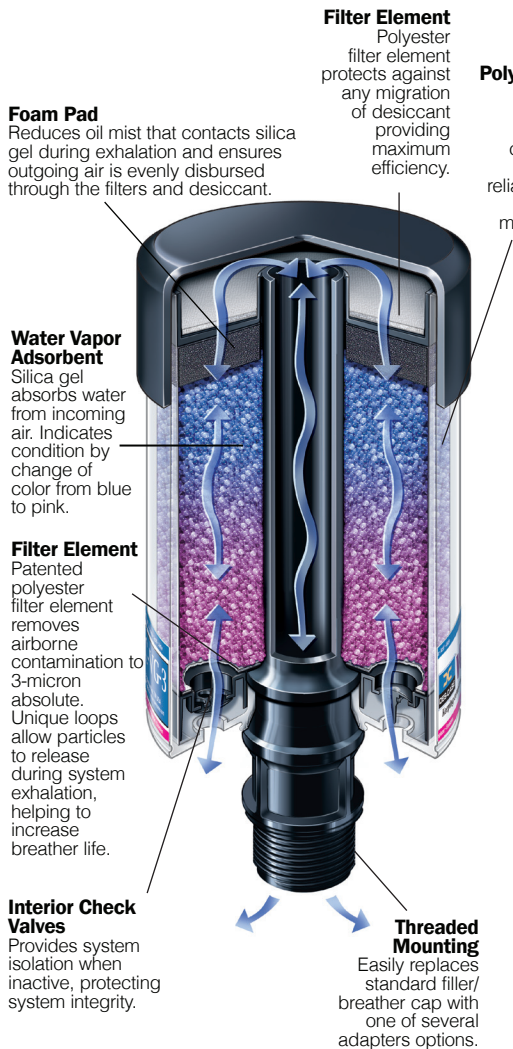
*Keeping contamination  
under control.®*

## 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.

The breather is outfitted with a resilient nylon standpipe and a clear polycarbonate body which allows for easy monitoring of the high-contrast silica gel.



Product Specifications	DC-VG-BB	DC-VG-1	DC-VG-2	DC-VG-3
Unit Height	3.9" / 99.06 mm	5.31" / 135 mm	6.125" / 155.6 mm	8.125" / 206.4 mm
Unit Diameter	2.52" / 64.01 mm	2.52" / 64 mm	4" / 101.6 mm	4" / 101.6 mm
Shipping Weight (unit/case)	0.31 lbs. / 2.14 lbs 0.14 kg / 0.97 kg	0.52 lbs. / 3.37 lbs 0.24 kg / 1.53 kg	1.21 lbs. / 7.73 lbs 0.55 kg / 3.51 kg	1.87 lbs. / 11.74 lbs 0.85 kg / 5.32 kg
Amount of Silica Gel	0.13 lbs. / 58.6 g	0.28 lbs. / 125.1 g	0.66 lbs / 0.30 kg	1.22 lbs. / 0.56 kg
Adsorption Capacity	0.79 fl. oz. / 23.3 mL	1.68 fl. oz. / 49.6 mL	4 fl. oz. / 118.2 mL	7.45 fl. oz / 220.3 mL
Max. Flow Rate	(cfm)	1.45 @ 1 psid	1.45 @ 1 psid	2.5 @ 1 psid
	(lpm)	41.06	41.06	70.5
Filtration	3 $\mu$ absolute ( $\beta_3 > 200$ )	3 $\mu$ absolute ( $\beta_3 > 200$ )	3 $\mu$ absolute ( $\beta_3 > 200$ )	3 $\mu$ absolute ( $\beta_3 > 200$ )
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	-20°F to 200°F / -29°C to 93°C
Hydrophilic Agent	Silica gel	Silica gel	Silica gel	Silica gel
Filter Media	Polyester	Polyester	Polyester	Polyester
Connection Size	3/8" Multi-fit (NPT, BSPP, BSPT)	3/8" Multi-fit (NPT, BSPP, BSPT)	1" Mult-fit (NPT, BSPT, NPSM)	1" Mult-fit (NPT, BSPT, NPSM)
Body Material	Polycarbonate, Nylon, Polypropylene, Polyester, Polyurethane, Buna-N, PVC			

## Adapters

Des-Case provides a range of accessories for easy adaptation to your specific application and working environment. Contact us at (615) 672-8800 or at sales@descase.com to learn more.

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