

Disposable Standard Breathers

simple, dependable lubricant protection



- Resilient clear polycarbonate body
- Bi-directional, controlled airflow
- Multi-tiered airflow process
- Water vapor adsorbent
- 3-micron absolute particulate filter elements
- Color indicator for easy system monitoring

Foam Pad

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

Filter Element

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

Water Vapor Adsorbent

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

Resilient Polycarbonate Body*

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

Filter Element

Patented polyester filter element removes airborne contamination to 3-micron absolute (74% efficient at .5-micron). Unique loops allow particles to release during system exhalation, helping to increase breather life.

Foam Pad

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

Threaded Mounting

Easily replaces standard filter/breather cap with one of two adapters.

Air Vents

Individual air intakes are opened based on the flow requirements of the system. Rated for 20 cfm. Plugs keep unit inactive until use.

*The end user is responsible for ensuring chemical compatibility for specific applications.

Model Number	DC-2	DC-3	DC-4
Unit Height	6.125" / 15.56 cm	8.125" / 20.64 cm	10.125" / 25.72 cm
Diameter	4" / 10.16 cm	4" / 10.16 cm	4" / 10.16 cm
Shipping Weight (unit/case)	1 lb. 3 oz. / 9 lbs.	1 lb. 12 oz. / 11 lbs. 8 oz.	2 lbs. 7 oz. / 16 lbs.
Amount of Silica Gel	11 oz.	1 lb. 4 oz.	1 lb. 14 oz.
Adsorption Capacity	0.13 L	0.23 L	0.35 L
Max. Flow Rate (cfm)	16 @ 1 PSID	16 @ 1 PSID	16 @ 1 PSID
Cap	Black	Blue	White
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	Nylon & Polycarbonate	Nylon & Polycarbonate	Nylon & Polycarbonate
Hydrophilic Agent	Silica Gel	Silica Gel	Silica Gel
Filter Media	Polyester	Polyester	Polyester
Connection Size	1"	1"	1"

Disposable Breathers

Miniature Disposable Breathers

<http://www.descase.com/miniature-breathers/>

Diminutive design aids installation in confined areas.



DC-BB DC-1

Model Number	DC-BB	DC-1
Unit Height	3" / 7.62 cm	5" / 12.7 cm
Unit Diameter	2.75" / 6.99 cm	2.75" / 6.99 cm
Amount of Silica gel (oz./g)	2 oz. / 57 g	4 oz. / 113 g
Adsorption Capacity (fl.oz/mL)	0.4 fl. oz. / 12 mL	0.8 fl. oz. / 24 mL
Max. Flow Rate (cfm)	3 @ 1 PSID	3 @ 1.5 PSID
Filtration (μ absolute)	3	3
Op. Temp. Range ($^{\circ}$ F/ $^{\circ}$ C)	-20/-28.9 to 200/93	-20/-28.9 to 200/93
Hydrophilic Agent	Silica Gel	Silica Gel
Filter Media	Polyester	Polyester
Connection Size (NPT)	3/8"	3/8"

Hybrid Breathers – Hydroguard™ and VentGuard™

hybrid technology breathers for specialty applications



- Hydroguard is ideal for washdowns and high humidity areas
- Desiccant, particulate filtration ensures incoming air is clean and dry
- Expansion chamber system isolates lubes from extreme ambient humidity (Hydroguard)
- Check valves ensure no excess pressure/vacuum builds
- VentGuard incorporates advantages of Des-Case disposable standard breathers in a smaller footprint optimized for use with pumps and gearboxes



Model Number	DC-HG-8	DC-VG-1
Unit Height	9.75" / 24.76 cm	5" / 12.7 cm
Unit Diameter	4.1" / 10.41 cm	2.75" / 6.99 cm
Amount of Silica gel (oz./g)	10.4 oz. / 240 g	4.8 oz. / 136 g
Adsorption Capacity (fl.oz/mL)	4.05 fl. oz. / 120 mL	0.8 fl.oz / 29.6 mL
Max. Flow Rate (cfm)	2.5 @ 1 PSID	1 @ 1.5 PSID
Filtration (μ absolute)	3	3
Op. Temp. Range ($^{\circ}$ F/ $^{\circ}$ C)	-20/-28.9 to 200/93	-20/-28.9 to 200/93
Hydrophilic Agent	Silica Gel	Silica Gel
Filter Media	Polyester	Polyester
Connection Size	1"	3/8" (NPT)