



DESICCANT BREATHERS PRODUCT CATALOGUE 2024



**THE FIRST LINE OF DEFENCE
AGAINST CONTAMINATION !**





DESICCANT BREATHERS

The desiccant breather replaces the standard dust cap or OEM breather cap on equipment, offering better filtration to protect against even the smallest particulates that destroy the effectiveness of your machinery, and cause downtime and costly repairs. As air is drawn into equipment through the breather, the layered desiccant filter elements remove particulate while the desiccant beads strip harmful moisture. While in service or during shut-down, the desiccant beads attract moisture from inside the equipment reservoir, actively drying the equipment.

WHY DESICCANT BREATHERS?

As your industrial equipment heats up and cools down, it expands and contracts, so in order to keep machinery from building up too much pressure, equipment OEMs include vent caps on the fill port to allow expanded air to escape.

There's only one problem, while they let air out, those simple caps don't prevent small dirt particles and moisture from making their way into the tank, this can damage bearings, gears, and valves by slowly wearing away the critical surfaces and even worse, over time, moisture will condense inside your oil reservoir introducing water to your lubricants, consequently, keeping your maintenance team busy.

With a wide range of sizes and features for almost any application and industry, SILVERI breathers simultaneously remove moisture from the headspace of equipment with silica gel and prevent even the smallest particles from entering your oil tanks with multi-layer filtration. The best part is you'll see a return on investment almost immediately.

Some of the benefits will be fewer breakdowns and production stoppages, you'll run more efficiently and create less waste, all while increasing the working life of your lubricants and equipment.

Our unique design features a longer body, which permits 10% greater volume of silica gel desiccant beads when compared to leading competitors.

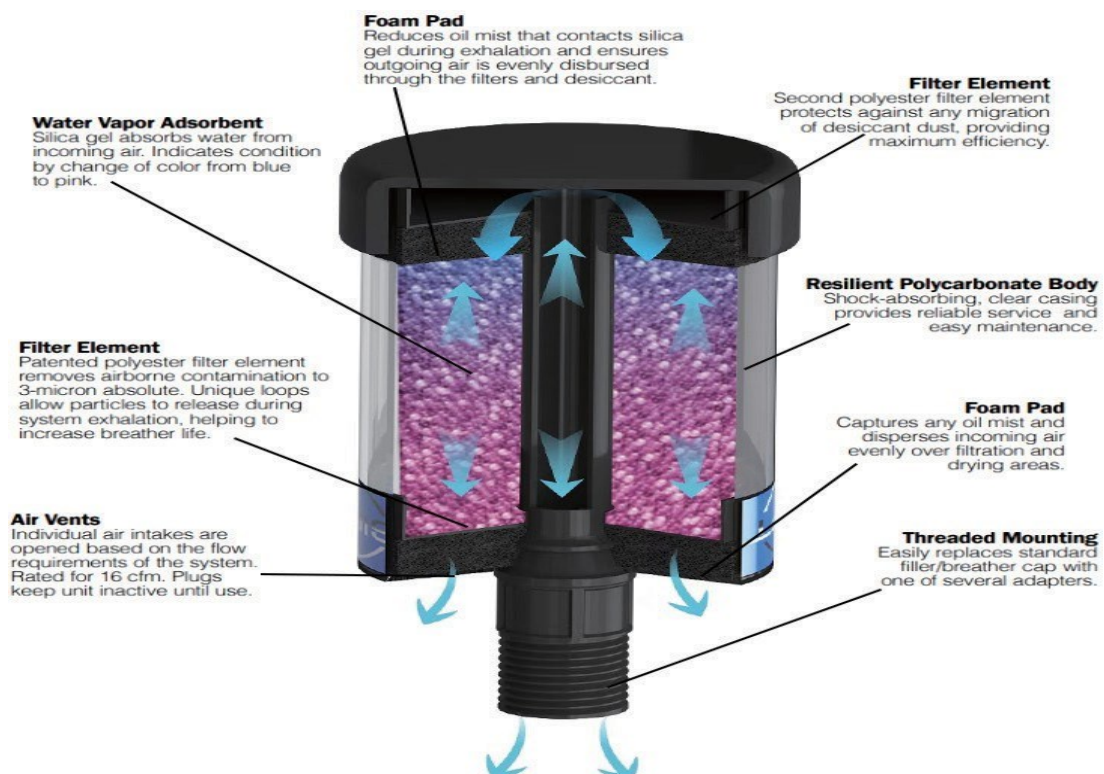
STANDARD SERIES DESICCANT BREATHERS

Standard breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment across multiple industries and applications.

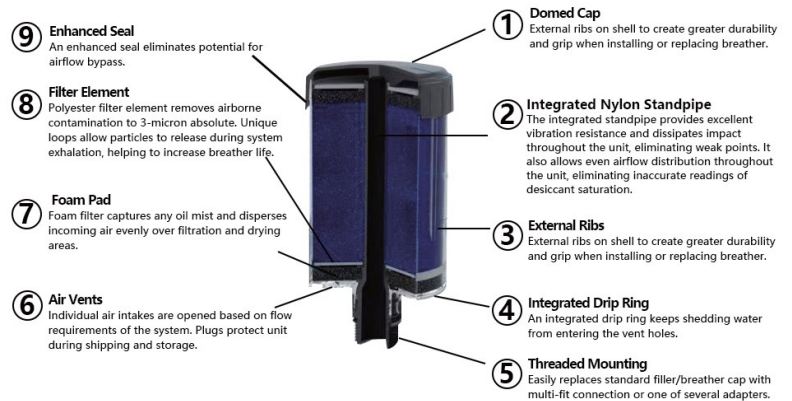
These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defence against humidity for your applications.

HOW THE DESICCANT BREATHER WORKS

1. **Foam Pad:** Reduces oil mist that contacts silica gel during exhalation and ensures outgoing air is evenly dispersed through the filters and desiccant.
2. **Water Vapor Adsorbent:** Silica gel absorbs water from incoming air. Indicates condition by change of color from blue to pink.
3. **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.
4. **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.
5. **Threaded Mounting:** Easily replaces standard filler/breather cap with one of several adapters.
6. **Foam Pad:** Captures any oil mist and disperses incoming air evenly over filtration and drying areas.
7. **Resilient Polycarbonate Body:** Shock-absorbing, clear casing provides reliable service and easy maintenance.
8. **Filter Element:** Second polyester filter element protects against any migration of desiccant dust, providing maximum efficiency.



STANDARD SERIES DESICCANT BREATHERS FEATURES



PERFORMANCE SPECIFICATIONS:

	DC-BB	DC-1	DC-2	DC-3	DC-3
Temperature Range	-20°F to 200°F (-29°C to 93°C)				
Filter Efficiency	(3μ absolute (B3≥200))				
Amount of Desiccant:	.1 lbs / .1 kg	.3 lbs / .1 kg	.8 lbs / .4 kg	1.4 lbs / .6 kg	2 lbs / .9 kg
Adsorption Capacity:	.8 fl oz / 23 ml	1.7 fl oz / 50 ml	4.9 fl oz / 146 ml	8.7 fl oz / 257 ml	12.4 fl oz / 365 ml
Air Flow Rate:	5 @ 1 Psid	4 @ 1 Psid	16 cfm @ 1 Psid	16 cfm @ 1 Psid	16 cfm @ 1 Psid
Air Flow Rate:	31 gpm / 117 lpm	25 gpm / 95 lpm	120 gpm / 453 lpm	120 gpm / 453 lpm	120 gpm / 453 lpm

PERFORMANCE SPECIFICATIONS:

Model	Max Suction / Return Rate (gpm / lpm)	Gearbox / Storage Tank Reservoir Size (Gallons / Liters)	Hydraulic Reservoir Size (Gallons / Liters)
DC-BB	31 / 117	15 / 57	2月8日
DC-1	25 / 95	35 / 132	5月19日
DC-2	120 / 453	200 / 757	60 / 227
DC-3	120 / 453	350 / 1325	100 / 379
DC-4	120 / 453	500 / 1893	200 / 757

Please Note: This is intended as a general guideline for sizing only; other considerations, such as: humidity level, frequency of airflow, 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 for assistance in sizing a breather.

STANDARD SERIES DESICCANT BREATHERS

APPLICATIONS:

- Totes
- Storage Drums
- Hydraulics



Notes: We can customize other types of respirators according to your needs, such as those used on transformers, simply by providing drawings or we recommend them to you based on market experience.

OPERATING ENVIRONMENTS:

- General Use
- Lubricant Storage Rooms
- Indoors
- Cold Weather Environments

TYPICAL INDUSTRIES:

- Power Generation
- Mining
- Aviation
- Storage
- Manufacturing



Fluid Power



Marine Industry



Engineering Machinery



Air Compressor



Power Industry



Oil/Gas Industry



Oil Reclamation



Spray Industry

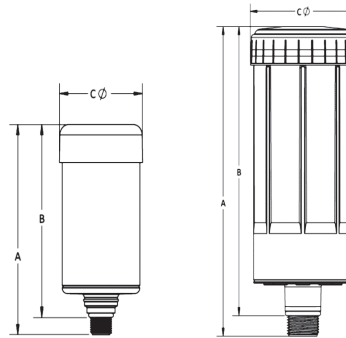


Food Industry



Paper Industry

DC-BB, STANDARD SERIES DESICCANT BREATHER



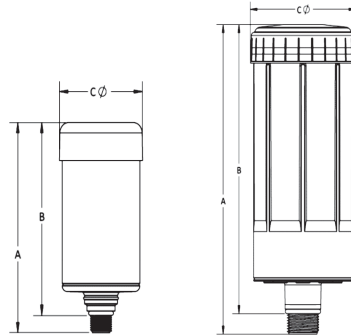
Dimension Table						
	Style	A	B	C	Thread Size	
Part Code	miniature or standard	inch / mm	inch / mm	inch / mm		
DC-BB	miniature	3.87 / 98	3.43 / 87	2.52 / 64	3/8" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 3/8" NPT; 3/8" BSPT; 3/8" BSPP	
DC-1	miniature	5.4 / 136	4.9 / 125	2.52 / 64		
DC-2	standard	6.0 / 152	5.33 / 135	4.1 / 104	1" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 1" NPT; 1" NPSM; 1" BSPT; 1" BSPP	
DC-3	standard	8.0 / 203	7.33 / 186	4.1 / 104		
DC-4	standard	10.0 / 254	9.33 / 237	4.1 / 104		

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	3.87 / 98
Unit Diameter	2.52 / 64
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"
Amount of Silica Gel (lbs / g):	0.1 / 59
Adsorption Capacity (fl oz / ml):	0.8 / 23
Max. Flow Rate (cfm):	5 @ 1 psid
Max. Flow Rate (lpm):	141
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	37 / 141
Gearbox/Storage Tank Max. Volume (gal/L):	15 / 57
Hydraulic Reservoir Max. Volume (gal/L):	2 / 8

DC-1, STANDARD SERIES DESICCANT BREATHER



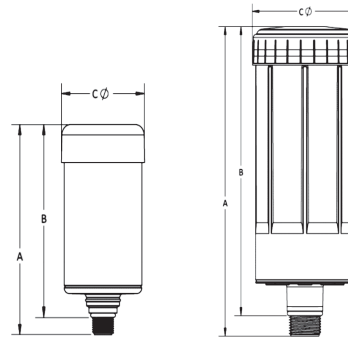
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Part Code	miniature or standard	inch / mm	inch / mm	inch / mm		
DC-BB	miniature	3.87 / 98	3.43 / 87	2.52 / 64	3/8" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 3/8" NPT; 3/8" BSPT; 3/8" BSPP	
DC-1	miniature	5.4 / 136	4.9 / 125	2.52 / 64		
DC-2	standard	6.0 / 152	5.33 / 135	4.1 / 104	1" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 1" NPT; 1" NPSM; 1" BSPT; 1" BSPP	
DC-3	standard	8.0 / 203	7.33 / 186	4.1 / 104		
DC-4	standard	10.0 / 254	9.33 / 237	4.1 / 104		

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	5.36 / 136
Unit Diameter	2.52 / 64
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"
Amount of Silica Gel (lbs / g):	0.3 / 127
Adsorption Capacity (fl oz / ml):	1.7 / 50
Max. Flow Rate (cfm):	4 @ 1 psid
Max. Flow Rate (lpm):	113
Filter Efficiency:	3μ absolute (β3≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	30 / 113
Gearbox/Storage Tank Max. Volume (gal/L):	35 / 132
Hydraulic Reservoir Max. Volume (gal/L):	5 / 19

DC-2, STANDARD SERIES DESICCANT BREATHER



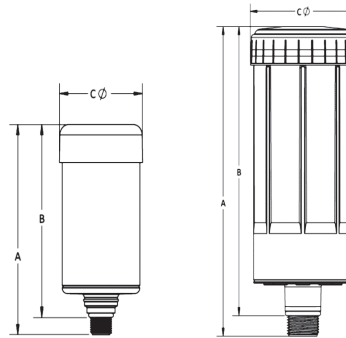
Dimension Table						
	Style	A	B	C	Thread Size	
Part Code	miniature or standard	inch / mm	inch / mm	inch / mm		
DC-BB	miniature	3.87 / 98	3.43 / 87	2.52 / 64	3/8" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 3/8" NPT; 3/8" BSPT; 3/8" BSPP	
DC-1	miniature	5.4 / 136	4.9 / 125	2.52 / 64		
DC-2	standard	6.0 / 152	5.33 / 135	4.1 / 104	1" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 1" NPT; 1" NPSM; 1" BSPT; 1" BSPP	
DC-3	standard	8.0 / 203	7.33 / 186	4.1 / 104		
DC-4	standard	10.0 / 254	9.33 / 237	4.1 / 104		

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	6.00 / 152
Unit Diameter	4.10 / 104
Connection Size	1" Multi-Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g):	0.8 / 365
Adsorption Capacity (fl oz / ml):	5 / 142
Max. Flow Rate (cfm):	16 @ 1 psid
Max. Flow Rate (lpm):	453
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	120 / 453
Gearbox/Storage Tank Max. Volume (gal/L):	200 / 757
Hydraulic Reservoir Max. Volume (gal/L):	60 / 227

DC-3, STANDARD SERIES DESICCANT BREATHER



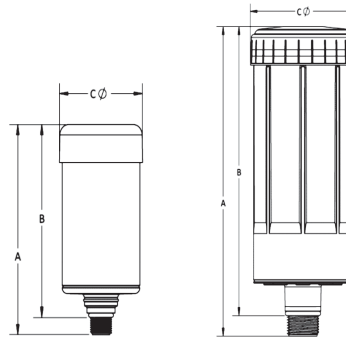
Dimension Table					
Part Code	Style	A	B	C	Thread Size
	miniature or standard	inch / mm	inch / mm	inch / mm	
DC-BB	miniature	3.87 / 98	3.43 / 87	2.52 / 64	3/8" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 3/8" NPT; 3/8" BSPT; 3/8" BSPP
DC-1	miniature	5.4 / 136	4.9 / 125	2.52 / 64	
DC-2	standard	6.0 / 152	5.33 / 135	4.1 / 104	1" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 1" NPT; 1" NPSM; 1" BSPT; 1" BSPP
DC-3	standard	8.0 / 203	7.33 / 186	4.1 / 104	
DC-4	standard	10.0 / 254	9.33 / 237	4.1 / 104	

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	8.00 / 203
Unit Diameter	4.10 / 104
Connection Size	Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g):	1.4 / 643
Adsorption Capacity (fl oz / ml):	9 / 251
Max. Flow Rate (cfm):	16 @ 1 psid
Max. Flow Rate (lpm):	453
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	120 / 453
Gearbox/Storage Tank Max. Volume (gal/L):	350 / 1325
Hydraulic Reservoir Max. Volume (gal/L):	100 / 379

DC-4, STANDARD SERIES DESICCANT BREATHER



Dimension Table					
Part Code	Style	A	B	C	Thread Size
	miniature or standard	inch / mm	inch / mm	inch / mm	
DC-BB	miniature	3.87 / 98	3.43 / 87	2.52 / 64	3/8" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 3/8" NPT; 3/8" BSPT; 3/8" BSPP
DC-1	miniature	5.4 / 136	4.9 / 125	2.52 / 64	
DC-2	standard	6.0 / 152	5.33 / 135	4.1 / 104	1" Multi-Fit Male Thread with O-Ring Seal, Compatible with: 1" NPT; 1" NPSM; 1" BSPT; 1" BSPP
DC-3	standard	8.0 / 203	7.33 / 186	4.1 / 104	
DC-4	standard	10.0 / 254	9.33 / 237	4.1 / 104	

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	10.00 / 254
Unit Diameter	4.10 / 104
Connection Size	1" Multi-Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g):	2.0 / 913
Adsorption Capacity (fl oz / ml):	12 / 365
Max. Flow Rate (cfm):	16 @ 1 psid
Max. Flow Rate (lpm):	453
Filter Efficiency:	3μ absolute (β3≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	120 / 453
Gearbox/Storage Tank Max. Volume (gal/L):	500 / 1893
Hydraulic Reservoir Max. Volume (gal/L):	200 / 757

VENTGUARD™ DESICCANT SERIES BREATHERS

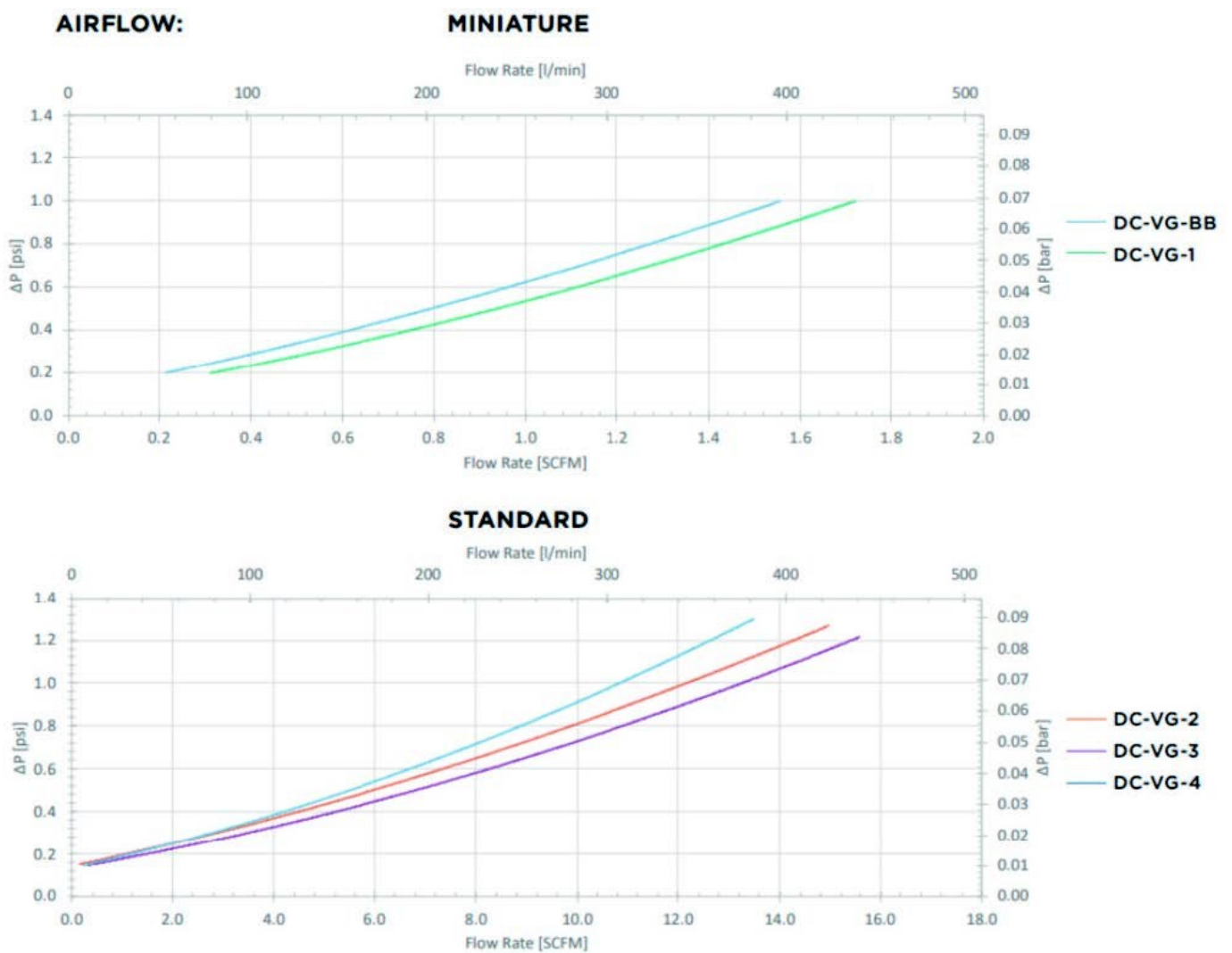


Des-Case VentGuard™ breathers have check-valve technology that isolates the system and only 'breathes' when necessary, making them an ideal solution to protect low-flow applications with intermittent operations. Check valves provide slight system pressurization that allows for controlled breathing without excessive pressure build-up. The system breathes only when pressured to do so, and then the air is cleaned and dried before it is introduced into the system, ensuring a clean, dry headspace. This control mechanism also prevents premature saturation of the silica gel and extends breather life, a problem not as easily tackled by standard desiccant breathers exposed to extreme moisture.

MATERIALS & COMPONENTS:

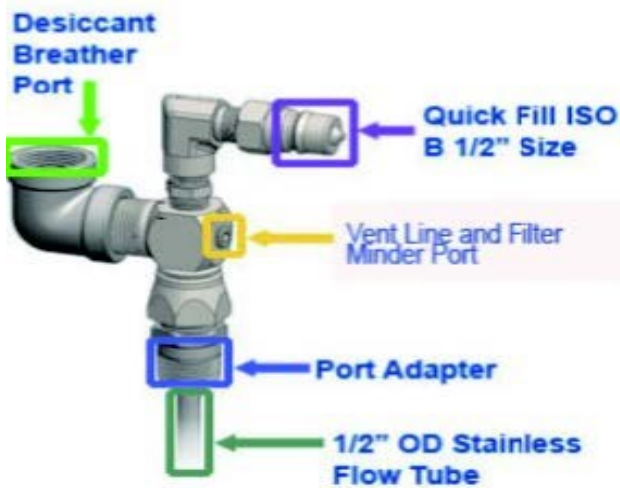
- Housing: Polycarbonate, Nylon 6/6 30% Glass Filled, Polypropylene
- Seals & Valves (Miniature): Buna-N, EPDM, PVC, Silicone
- Seals & Valves (Standard): Buna-N, PVC, Silicone
- Filter Media: Polyurethane, Polyester
- Hydrophilic Media: Silica Gel

VENTGUARD™ DESICCANT SERIES BREATHERS

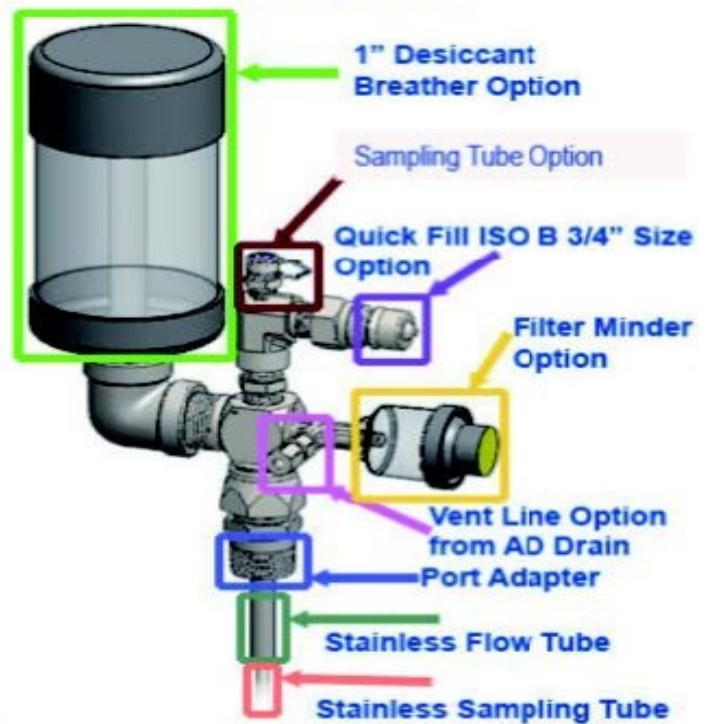


VENTGUARD™ DESICCANT SERIES BREATHERS

AB Breather Mount Standard Configuration



AB Breather Mount with Options



Top mounted breather connects vent line to side mounted drain mount
Use "S"



Top mounted breather connects vent line to bottom mounted drain mount
Use "B"

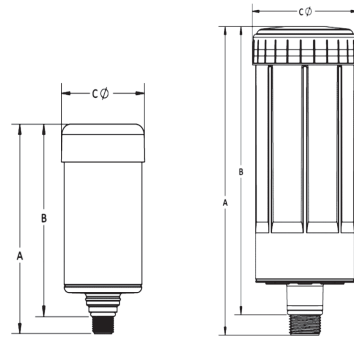


Side mounted breather connects vent line to side mounted drain mount
Use "S"



Side mounted breather connects vent line to bottom mounted drain mount
Use "B"

DC-VG-BB, VENTGUARD™ DESICCANT SERIES BREATHERS



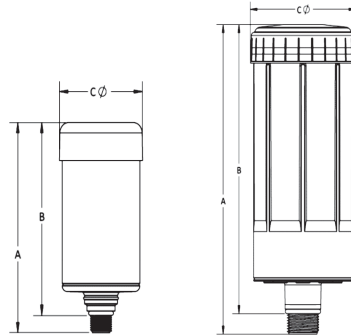
	Style	A	B	C
Part Code	Miniature or Standard	Inch / mm	Inch / mm	Inch / mm
DC-VG-BB	Miniature	3.9 / 98	3.4 / 87	2.5 / 64
DC-VG-1	Miniature	5.4 / 136	4.9 / 125	2.5 / 64
DC-VG-2	Standard	6.0 / 152	5.3 / 135	4.1 / 104
DC-VG-3	Standard	8.0 / 203	7.3 / 186	4.1 / 104
DC-VG-4	Standard	10.0 / 254	9.3 / 237	4.1 / 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			

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	3.87 / 98
Unit Diameter	2.52 / 64
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"
Amount of Silica Gel (lbs / g):	0.1 / 59
Adsorption Capacity (fl oz / ml):	0.8 / 23
Max. Flow Rate (cfm):	5 @ 1 psid
Max. Flow Rate (lpm):	141
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	37 / 141
Gearbox/Storage Tank Max. Volume (gal/L):	15 / 57
Hydraulic Reservoir Max. Volume (gal/L):	2 / 8

DC-VG-1, VENTGUARD™ DESICCANT SERIES BREATHERS



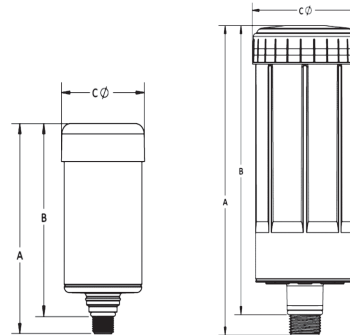
Part Code	Style Miniature or Standard	A Inch / mm	B Inch / mm	C Inch / mm
DC-VG-BB	Miniature	3.9 / 98	3.4 / 87	2.5 / 64
DC-VG-1	Miniature	5.4 / 136	4.9 / 125	2.5 / 64
DC-VG-2	Standard	6.0 / 152	5.3 / 135	4.1 / 104
DC-VG-3	Standard	8.0 / 203	7.3 / 186	4.1 / 104
DC-VG-4	Standard	10.0 / 254	9.3 / 237	4.1 / 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			

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	5.36 / 136
Unit Diameter	2.52 / 64
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"
Amount of Silica Gel (lbs / g):	0.3 / 127
Adsorption Capacity (fl oz / ml):	1.7 / 50
Max. Flow Rate (cfm):	4 @ 1 psid
Max. Flow Rate (lpm):	113
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	30 / 113
Gearbox/Storage Tank Max. Volume (gal/L):	35 / 132
Hydraulic Reservoir Max. Volume (gal/L):	5 / 19

DC-VG-2, VENTGUARD™ DESICCANT SERIES BREATHERS



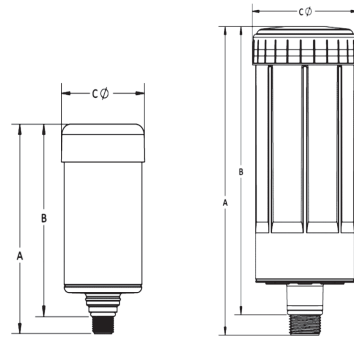
	Style	A	B	C
Part Code	Miniature or Standard	Inch / mm	Inch / mm	Inch / mm
DC-VG-BB	Miniature	3.9 / 98	3.4 / 87	2.5 / 64
DC-VG-1	Miniature	5.4 / 136	4.9 / 125	2.5 / 64
DC-VG-2	Standard	6.0 / 152	5.3 / 135	4.1 / 104
DC-VG-3	Standard	8.0 / 203	7.3 / 186	4.1 / 104
DC-VG-4	Standard	10.0 / 254	9.3 / 237	4.1 / 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			

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	6.00 / 152
Unit Diameter	4.10 / 104
Connection Size	1" Multi-Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g):	0.8 / 365
Adsorption Capacity (fl oz / ml):	5 / 142
Max. Flow Rate (cfm):	16 @ 1 psid
Max. Flow Rate (lpm):	453
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	120 / 453
Gearbox/Storage Tank Max. Volume (gal/L):	200 / 757
Hydraulic Reservoir Max. Volume (gal/L):	60 / 227

DC-VG-3, VENTGUARD™ DESICCANT SERIES BREATHERS



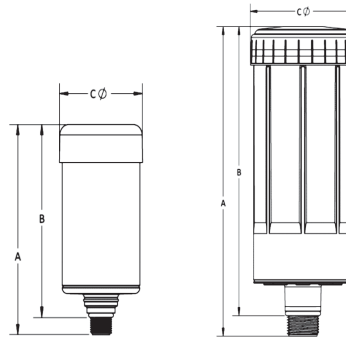
Part Code	Style	A	B	C
	Miniature or Standard	Inch / mm	Inch / mm	Inch / mm
DC-VG-BB	Miniature	3.9 / 98	3.4 / 87	2.5 / 64
DC-VG-1	Miniature	5.4 / 136	4.9 / 125	2.5 / 64
DC-VG-2	Standard	6.0 / 152	5.3 / 135	4.1 / 104
DC-VG-3	Standard	8.0 / 203	7.3 / 186	4.1 / 104
DC-VG-4	Standard	10.0 / 254	9.3 / 237	4.1 / 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			

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	8.00 / 203
Unit Diameter	4.10 / 104
Connection Size	Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g):	1.4 / 643
Adsorption Capacity (fl oz / ml):	9 / 251
Max. Flow Rate (cfm):	16 @ 1 psid
Max. Flow Rate (lpm):	453
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	120 / 453
Gearbox/Storage Tank Max. Volume (gal/L):	350 / 1325
Hydraulic Reservoir Max. Volume (gal/L):	100 / 379

DC-VG-4, VENTGUARD™ DESICCANT SERIES BREATHERS



Part Code	Style	A	B	C
	Miniature or Standard	Inch / mm	Inch / mm	Inch / mm
DC-VG-BB	Miniature	3.9 / 98	3.4 / 87	2.5 / 64
DC-VG-1	Miniature	5.4 / 136	4.9 / 125	2.5 / 64
DC-VG-2	Standard	6.0 / 152	5.3 / 135	4.1 / 104
DC-VG-3	Standard	8.0 / 203	7.3 / 186	4.1 / 104
DC-VG-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			

Adapters

Part Number	Descriptions
DC-12-T	Threaded Flange Adapter
DC-12-TG	Threaded Flange Adapter with Gasket
DC-15-T	Bayonet Adapter
DC-SDVA-12M	3/4" NPT Vent Valve Adapter
DC-SDVA-16M	1" NPT Vent Valve Adapter

Unit Height	10.00 / 254
Unit Diameter	4.10 / 104
Connection Size	1" Multi-Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g):	2.0 / 913
Adsorption Capacity (fl oz / ml):	12 / 365
Max. Flow Rate (cfm):	16 @ 1 psid
Max. Flow Rate (lpm):	453
Filter Efficiency:	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F):	-20° to 200°
Operating Temp. Range (°C):	-29° to 93°
Max. Airflow at 1 psid (gpm/lpm):	120 / 453
Gearbox/Storage Tank Max. Volume (gal/L):	500 / 1893
Hydraulic Reservoir Max. Volume (gal/L):	200 / 757

