

Rebuildable Steel Breathers

For high-flow applications

Specifications

- Carbon or stainless steel housing
- Easy-to-replace desiccant bags remove moisture from incoming air, extending fluid and system life
- Replaceable microglass filter prevents particles to 1 micron absolute ($\beta_1 \geq 1000$) from entering the system

Ideal for ...

- Hydraulic reservoir
- Bulk oil storage
- Diesel tank storage
- Chemical/harsh environments



Industry spends millions of dollars annually treating the negative effects of contamination caused by wet, dirty air. Contaminated lubricant and hydraulic fluid result in excess machine wear, production downtime, and repair costs.

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

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

*Keeping contamination
under control.®*

How it works:

As wet, contaminated air is drawn through the unit, the hydrophilic agent extracts moisture and a 1-micron microglass pleated filter element removes solid particulate.

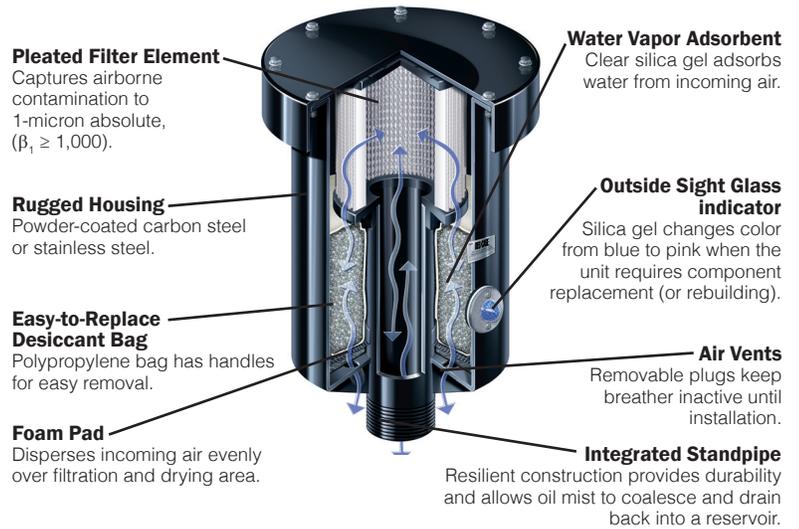
When the air is expelled from the container, the foam pad cleans itself by releasing dirt back into the atmosphere.

The hydrophilic agent is partially reactivated by the dry air passing back through, thereby permitting longer periods between replacing components (or rebuilding).

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.



Rebuildable Steel Breathers can be ordered in a variety of the below materials to meet chemical compatibility needs:

Steel Housings

Carbon Steel (Standard)
304 Stainless Steel
316 Stainless Steel

Media

Silica Gel (Standard)
Activated Carbon
Molecular Sieve
Activated Alumina

Gasket/Seal Material

Buna-N (Standard)
Viton
EPDM
SBR Rubber

Filter Material

Microglass/Polyurethane Filter (Standard)
Micrograss/Plastisol Filter

Product Specifications	DC-RS-3	DC-RS-5	DC-RS-9	DC-RS-15	DC-RS-25	DC-RS-50	DC-RS-75	DC-RS-100	DC-RS-150	DC-RS-200
Height (in./mm.)	11.5/292	13.75/349	18.25/464	19.25/489	22.5/571	31.25/794	39.75/1010	31/787	36.75/933	42.75/1086
Width (in./mm.)	10.13/257.2	10.13/257.2	10.13/257.2	15.5/393.7	15.5/393.7	15.5/393.7	15.5/393.7	23.5/596.9	23.5/596.9	23.5/596.9
Approx. Dry Weight (lbs./kg)	16/7.26	20/9.07	27/12.25	49/22.23	64/29.03	100/45.36	144/65.32	190/86.18	253/114.76	315/142.88
Amount of Desiccant (lbs./kg)	3/1.36	5/2.27	9/4.08	15/6.80	25/11.34	50/22.68	75/34.02	100/45.36	150/68.04	200/90.72
Adsorption Capacity (gal/L)	0.14 / 0.54	0.24 / 0.9	0.43 / 1.62	0.71 / 2.7	1.19 / 4.5	2.38 / 9	3.57 / 13.5	4.75 / 18	7.13 / 27	9.51 / 36
Flow rate	85 @ 0.5 PSID 2407 Lpm	85 @ 0.5 PSID 2407 Lpm	80 @ 0.5 PSID 2265 Lpm	205 @ 0.5 PSID 5805 Lpm	140 @ 0.5 PSID 3964 Lpm	115 @ 0.5 PSID 3256 Lpm	80 @ 0.5 PSID 2265 Lpm	270 @ 0.5 PSID 7645 Lpm	250 @ 0.5 PSID 7079 Lpm	240 @ 0.5 PSID 6796 Lpm
Operating Temp.	-20 to 220°F / -29 to 104°C									
Connection Size (NPT)	2"	2"	2"	3"	3"	3"	3"	4"	4"	4"
Body Material	Carbon steel, Polyurethane, Polypropylene, Microglass, Polycarbonate, Nomex, Buna-N (Silica gel as hydrophilic agent.)									

Des-Case recommends use of a pressure/relief valve on any tank or storage system.

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