

Breathers: Rebuildable Steel Breathers

Rebuildable Steel Breathers



Utilizing desiccant breathers can reduce the negative effects caused by contamination that result in millions of dollars spent annually. Contaminated lubricant and hydraulic fluid result in excess machine wear, production downtime, and repair costs.

Des-Case breathers reduce contamination, keeping dirt and water where it belongs—out of your equipment.

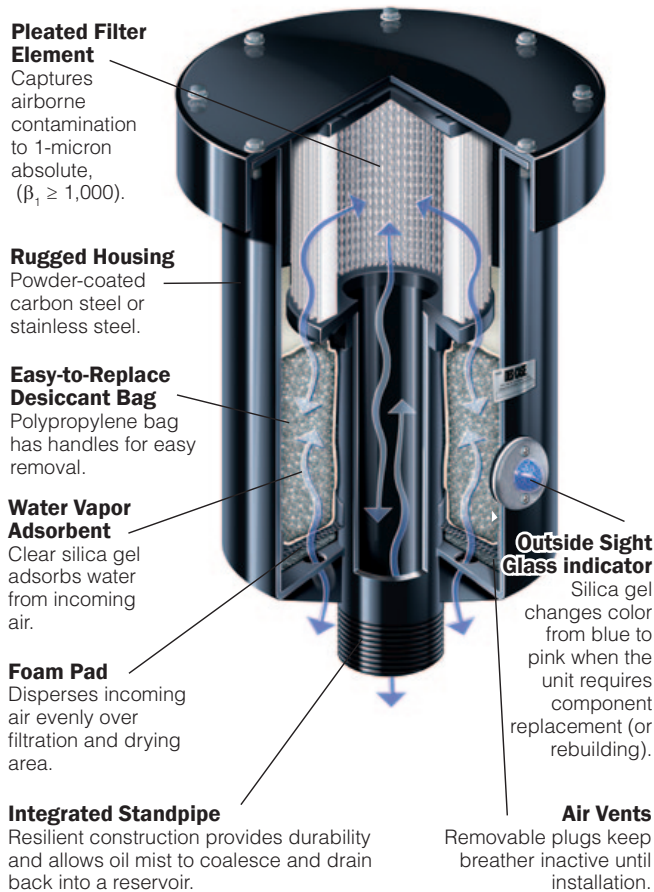
Environments

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

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
Max. 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
Max. 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
Max. 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.

Rebuild Kits for Rebuildable Steel Breathers



Rebuild Kit Components

Replacement Filter Element

Captures airborne contamination to 1-micron absolute.



Desiccant Bag Filter

Polypropylene bag has handles for easy removal and replacement.



Sight Glass Indicator

Silica gel changes color from blue to pink when the unit requires rebuilding.



Gasket

Seals breather at removable lid.

Foam Pad

Disperses incoming air evenly over filtration and drying areas.

Parts and Accessories

Model #	Description
DC-RS-X-RK	Rebuildable Steel Breather Rebuild Kits
DC-RS-X-F1	Rebuildable Steel Breather Microglass Filter Elements
DC-RS-X-D1	Rebuildable Steel Breather Desiccant Bag Sets
DC-RS-X-SG1	Rebuildable Steel Breather Sight Glass Cartridges
DC-RS-X-P1	Rebuildable Steel Breather Foam Pad Inserts
DC-RS-X-G1	Rebuildable Steel Breather Gasket Seals

* For part codes containing X substitute the appropriate RS model number (Example the part code for a sight glass cartridge for the DC RS 150 would be DC RS 150 SG1)

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Rebuild kits 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

Gasket/Seal Material

Buna-N (Standard)
Viton
EPDM
SBR Rubber

Media

Silica Gel (Standard)
Activated Carbon
Molecular Sieve
Activated Alumina

Filter Material

Microglass/Polyurethane Filter (Standard)
Microglass/Plastisol Filter