

# Rebuildable Steel Breathers

*for high-flow or harsh environments*



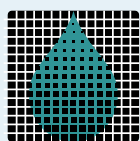
Model #	DC-RS-3	DC-RS-5	DC-RS-9	DC-RS-15	DC-RS-25	DC-RS-50	DC-RS-75	DC-RS-100	DC-RS-150	DC-RS-200
Height (in./cm.)	11.5/29.2	13.75/34.9	18.25/46.4	19.25/48.9	22.5/57.1	31.25/79.4	39.75/101	31/78.7	36.75/93.3	42.75/108.6
Width (in./cm.)	10.13/25.72	10.13/25.72	10.13/25.72	15.5/39.37	15.5/39.37	15.5/39.37	15.5/39.37	23.5/59.69	23.5/59.69	23.5/59.69
Connection Size (NPT)	2"	2"	2"	3"	3"	3"	3"	4"	4"	4"
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
Flow rate at 0.5 PSID (cfm)	85	85	80	205	140	115	80	270	250	240
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
Adsorption Capacity (L/gal)	0.54/0.14	0.90/0.24	1.62/0.43	2.7/0.71	4.5/1.19	9.0/2.38	13.5/3.57	18.0/4.75	27.0/7.13	36.0/9.51
Operating Temperature	-20 to 220°F / -29 to 104°C									

## How the Product Works

As wet, dirty air is drawn through the unit, the hygroscopic 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 hygroscopic agent is partially reactivated by the dry air passing back through, thereby permitting longer periods between replacing components (or rebuilding).

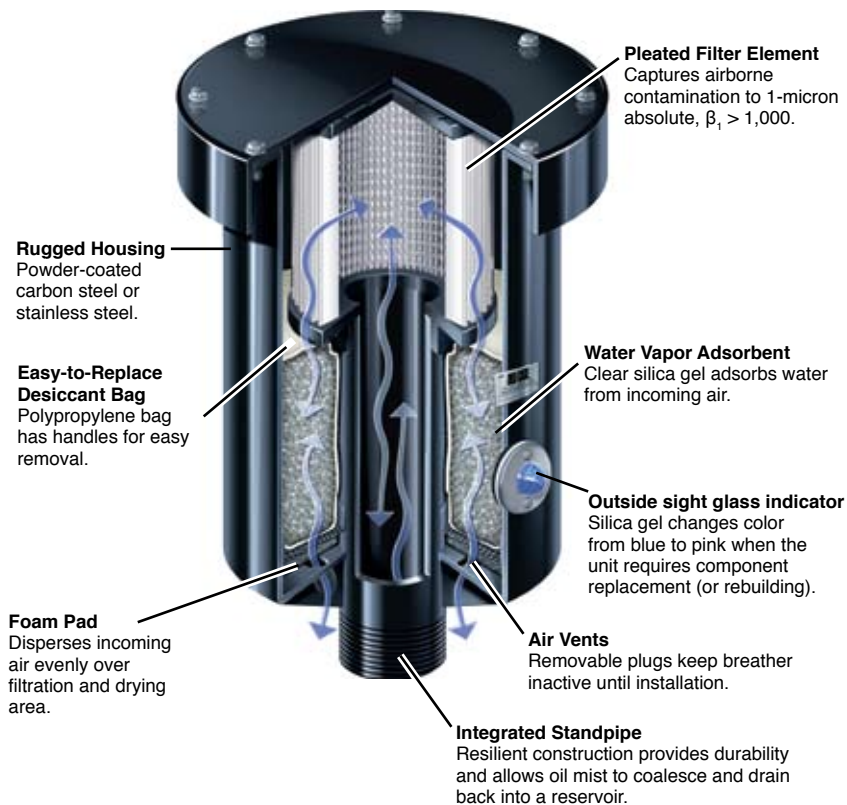
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## Parts and Accessories

Model Number*	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.)

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

## Steel Unit Adapters

There are several steel unit adapters available to meet your needs. See page 20.



## 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.