

Des-Case® Rebuildable Breathers

For Harsh or Corrosive Environments

Rebuildable Breathers

DES-CASE AIR BREATHERS ARE A COST-EFFECTIVE MEANS OF PROTECTING YOUR CRITICAL ASSETS AND LUBRICANTS FROM CONTAMINANT INGRESSION.



BENEFITS

Reduce Contamination

In any reservoir containing fluids or semi-solids, air is breathed in and out as the fluid level changes or as thermal expansion and contraction occurs. Fluid contamination is the primary cause of component wear and lubricant failure in industrial equipment. Des-Case breathers attack the cause of contamination, allowing your equipment and lubricants to run longer and harder.

Easy to Install & Replace

Des-Case breathers replace the standard breather cap or vent tube on a tank or reservoir. They are easy to install using one of several adapters designed for different applications. The breather is outfitted with a sight-glass filled with high-contrast silica gel that allows for easy monitoring of the breather condition.

Air Filtration & Water Removal

As wet, dirty air is drawn through the unit, a 1-micron microglass pleated filter element removes solid particulate and the hygroscopic agent extracts moisture. 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 recharging or replacing.



High Quality Product

Resilient construction provides durability and allows oil mist to coalesce and drain back into the reservoir. Replaceable polyethylene microglass filter prevents particles to 1-micron absolute from entering the system. Easy-to-replace desiccant bags remove moisture from incoming air, extending fluid and system life. Handles high temperatures and extreme environments, prevents corrosion. Adaptation to virtually any system.

OVERVIEW

- **Rugged Housing** – Powder-coated carbon steel or stainless steel.
- **Water Vapor Adsorbent** – Clear silica gel absorbs water from incoming air.
- **Outside Sight Glass Indicator** – Silica gel changes color from blue to pink when the unit requires component replacement (or rebuilding).
- **Easy-to-Replace Desiccant Bag** – Polypropylene bag has handles for easy removal.
- **Pleated Filter Element** – Captures airborne contamination to 1-micron (absolute, beta > 1,000).
- **Foam Pad** – Disperses incoming air evenly over filtration and drying area.
- **Air Vents** – Removable plugs keep breather inactive until installation.
- **Integrated Standpipe** – Resilient construction provides durability and allows oil mist to coalesce and drain back into the reservoir.



PROACTIVE LUBRICATION MANAGEMENT

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PRODUCTS

Rebuildable Steel Breathers

DC-RS-3

Height 11.5"
Diameter 10.13"
Capacity 0.54 L
Flow Rate 85 cfm
Connection 2" NPT



DC-RS-5

Height 13.75"
Diameter 10.13"
Capacity 0.90 L
Flow Rate 85 cfm
Connection 2" NPT



DC-RS-9

Height 18.25"
Diameter 10.13"
Capacity 1.62 L
Flow Rate 80 cfm
Connection 2" NPT



DC-RS-15

Height 19.25"
Diameter 15.5"
Capacity 2.7 L
Flow Rate 205 cfm
Connection 3" NPT



DC-RS-25

Height 22.5"
Diameter 15.5"
Capacity 4.5 L
Flow Rate 140 cfm
Connection 3" NPT



DC-RS-50

Height 31.25"
Diameter 15.5"
Capacity 9.0 L
Flow Rate 115 cfm
Connection 3" NPT



DC-RS-75

Height 39.75"
Diameter 15.5"
Capacity 13.5 L
Flow Rate 80 cfm
Connection 3" NPT



DC-RS-100

Height 31"
Diameter 23.5"
Capacity 18.0 L
Flow Rate 270 cfm
Connection 4" NPT



DC-RS-150

Height 36.75"
Diameter 23.5"
Capacity 27.0 L
Flow Rate 250 cfm
Connection 4" NPT



DC-RS-200

Height 42.75"
Diameter 23.5"
Capacity 36.0 L
Flow Rate 240 cfm
Connection 4" NPT



All Units

Operating Temp Range
-20°F to 220°F

Accessories



**DC-13-6/10/40C
Steel Adaptors**
Various steel adapters
available to meet your
connection needs.



**DC-RS-[model]-F1
Replacement Filter
Elements**
Captures airborne
contamination to
1-micron absolute.



**DC-RS-[model]-D1
Desiccant Bag Filter**
Polypropylene bag has
handles for easy removal
and replacement



**DC-RS-[model]-SG1
Sight Glass Indicator**
Silica gel changes color
from blue to pink when
the unit requires
rebuilding.

**DC-RS-[model]-P1
Replacement Foam Pad**

**DC-RS-[model]-G1
Replacement Gaskets**

*Complete rebuild kits are available
as DC-RS-[model]-RK*



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