# **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.



# **Des-Case® Rebuildable Breathers**

For Harsh or Corrosive Environments



# PRODUCTS

# **Rebuildable Steel Breathers**



DC-RS-3 Height



11.5″ 10.13" 0.54 L 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 Capacity

10.13" 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

0



**DC-RS-50** Height 31.25" Diameter 15.5" Capacity 9.0 L Flow Rate 115 cfm Connection 3" NPT

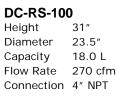


0

0

Ô

#### **DC-RS-75** Height 39.75" Diameter 15.5" Capacity 13.5 L Flow Rate 80 cfm Connection 3" NPT



#### **DC-RS-150** Height 36.75" Diameter 23.5″ Capacity 27.0 L Flow Rate Connection 4" NPT

250 cfm

**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



PROACTIVE LUBRICATION MANAGEMENT

©2009 Lubrigard Ltd. All Rights Reserved. All illustrations, photographs and specifications within this literature are based on the latest product information. All information contained on this literature is intended for the Canadian market only. The information contained on this literature may be changed at any time without prior notification or obligation. Lubrigard Ltd. makes no representations as to the accuracy of this information. See actual product at your Lubrigard distributor for complete accuracy. Lubrigard Ltd. reserves the right to make changes at any time, without notice, in prices, colours, materials, equipment, specifications and models, and to discontinue models or equipment. For information on additional options and accessories, contact your Lubrigard distributor. All product brand names are Lubrigard trademarks, or trademarks of the respective manufacturer.

Lubrigard Ltd. C8-1175 Appleby Line, Burlington, ON, L7L 5H9 Tel 905-569-8600 Toll-free 800-268-2131 Fax 905-569-8605 URL http://www.lubrigard.com LG-DES-CASE-REBUILDABLE-BREATHERS-2009-05-28