

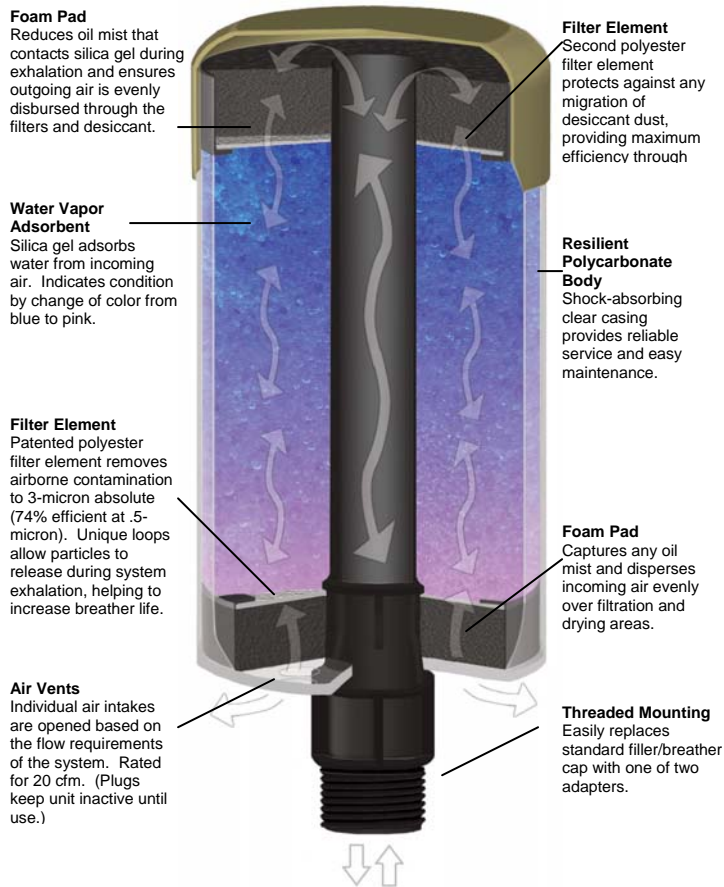
Disposable Breathers

Simple, Dependable Lubricant Protection



Disposable Desiccant Breathers

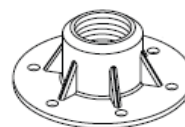
- Resilient polycarbonate plastic body
- Bi-directional, controlled airflow
- Multi-tiered filtration process
- Water vapor adsorbent
- Color indicator for easy system monitoring



STANDARD DISPOSABLE BREATHERS

| Model # | DC-2 | DC-3 | DC-4 |
|--|-------------|-------------|-------------|
| Unit Size (height x diameter, cm) | 11,4 x 10,2 | 16,5 x 10,2 | 21,6 x 10,2 |
| Filtration Area (cm ² per filter) | 25,4 | 25,4 | 25,4 |
| Amount of Silica gel (Kg) | 0,45 | 0,68 | 0,91 |
| Quantity of Water retained (l) | 0,18 | 0,27 | 0,36 |
| Quantity of Water stopped (l) | 0,65 | 1,15 | 1,6 |
| Operating Temp. Range (°C) | -50 to +100 | -50 to +100 | -50 to +100 |
| Max Flow Rate (l/mn at 70 mb) | 600 | 600 | 600 |
| Desiccant agent | Silica Gel | Silica Gel | Silica Gel |
| Filtration (µ absolute) | 3 | 3 | 3 |
| Connection Size | 1" NPT | 1" NPT | 1" NPT |

| Part | Material |
|---------------------|-------------------|
| Body & Cap | Polycarbonate |
| Filter Media | Dacron Polyester |
| Foam Pad | Polyurethane Foam |
| Desiccant | Silica gel |
| Standpipe | Nylon |
| Threaded Connection | Nylon |



Adapter 12T,
902120 or
937546



Adapter 15T,
902121 or
937463



Adapter 17T, (3/4")
Adapter 10 not needed.

DES-CASE breathers comply with
European **REACH** regulations
(in force June 2007)

DES-CASE breathers are designed to protect lubricated reservoirs like gearboxes, hydraulics, electrical transformers, and chemical reservoirs.

| | Identification | Connection NTP | Model # |
|----------|-----------------|----------------|---------|
| Method 1 | Flange Adaptor | | DC 12* |
| Method 2 | Thread Adaptor | 3/4" | DC 17* |
| Method 3 | Bayonet Adaptor | | DC 15* |

DES-CASE Breather Applications

River



Sea Side



Canal



Wind Turbine



Gearboxes, Electrical Transformers, Airports and Hydraulics Reservoirs



How to correctly use DES-CASE breathers

If possible, use DES-CASE breathers on hydraulic reservoirs or gearboxes with dry lubricant that is new or clean. This will allow for maximum usage of the breather (the units typically last from 12-14 months before they should be replaced, based on over 15 years of field use in Europe). As the filtering capacity is used, the DES-CASE breathers will change colour, from blue to pink, from the bottom to the top of the breather. If it changes colour from the top to the bottom, it indicates there is a large amount of humidity in the reservoir.

If used on a polluted lubricant application, the DES-CASE breather will help clean the reservoir or gearbox. This may reduce the life of the breather, perhaps to 2 months or less for the first unit. We advise checking the units weekly during the first two months. If the breather reaches 2 months without changing colour, it will likely last a full year before needing to be changed.



Before use

On the bottom of the breathers, open only two intake holes at 180°. Pull out the blue cap that protects the stand pipe and fit the breather into the appropriate adaptor before placing on the application.



Maintenance: When the body of the breather turns pink (or white after an extended time), replace the breather with a new unit.

Disposal: When the DES-CASE unit needs to be changed, it will likely contain some amount of oil fumes. The unit should be disposed of in accordance to guidelines surrounding similar materials. An example would be practices for rags and paper impregnated with oil or with plastic grease cartridges.

Health & Safety: As the units likely contain some amount of oil, in case of emergency, follow oil MSDS procedures.

Sizing:

| | |
|--|--|
| DC2 | Gear boxes less than 600 liters* or hydraulic reservoirs less than 190 liters* |
| DC3 | Gear boxes less than 2,000 liters* or hydraulic reservoirs less than 800 liters* |
| DC4 | Gear boxes less than 4,000 liters* or hydraulic reservoirs less than 2,500 liters* |
| *Total external volume of the reservoir or gearbox | |



Puh. +358 10 835 3000
 Fax. +358 10 835 3010
info@ramator.fi
www.ramator.fi

Ramator Oy
 Kärämäentie
 3520360 Turku
 Finland