

Triceptor

Desiccant Type Breather



Keeping water and dust out of the reservoir

A disposable air breather solution

Triceptor desiccant type breathers are easy to fit and disposable as soon as the silica gel inside turns to pink. Triceptor breathers have three main functions; besides the removal of small solid contamination they absorb water due to the high performance silica gel desiccant. The third function is to reduce oil mist leaving the reservoir and going into the atmosphere.



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Product Features:

- Triceptor desiccant type breathers remove contamination, absorb water in the fluid and reduce oil mist leaving the reservoir into the atmosphere.
- Triceptor breathers are easy to fit and disposable when the silica gel turns to pink.
- Cost effective Triceptor breathers are suitable for a wide range of mobile and industrial applications.

Breathers Desiccant Type

Reservoir Equipment

Specification

Materials:

Casing: Clarified copolymer polypropylene.

Cap: Copolymer polypropylene.

Stand pipe: PVC.

Filtration Element: Polyester, silica gel.

Operating Temperatures: -29°C (- 20°F) to 121°C (250°F).

Seals: None.

Maximum Allowable Operating Pressure (MAOP): .34 bar (5 psi).

Particle Removal Efficiency:

98.7% (beta 75) @ 3 micron

99.5% (beta 200) @ 4 micron

99.9% (beta 1000) @ 5.3 micron

Weight:

934330T .57 kg (1.25 lbs.) each.

934331T .79 kg (1.75 lbs.) each.

934332T 1.02 kg (2.25 lbs.) each.

Features

Foam Pads

Isolates the removal materials from contact with heavy reservoir mist and securely holds materials in place.

Filter Pads

Specially designed filter pads remove solid particulate on upstream side and then regenerate by releasing those particles when air flow reverses direction. Lower pad removes airborne contamination and second pad protects against any migration of desiccant.

Air Intakes

A total of eight air intakes may be exposed to allow air to freely flow in and out of the Triceptor.

Silica Gel Desiccant

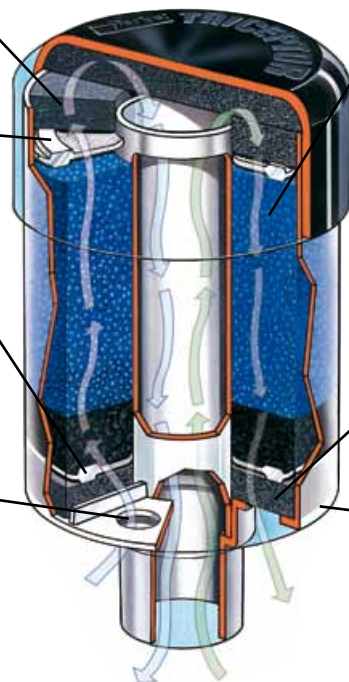
Has the highest removal capability by volume of any adsorption method. Indicates condition by changing color.

Foam pad

Insures filter pad is properly positioned and protects it from external damage.

Molded Housing

Durable shock absorbing casing provides reliable service and simple press in mounting.



Triceptor

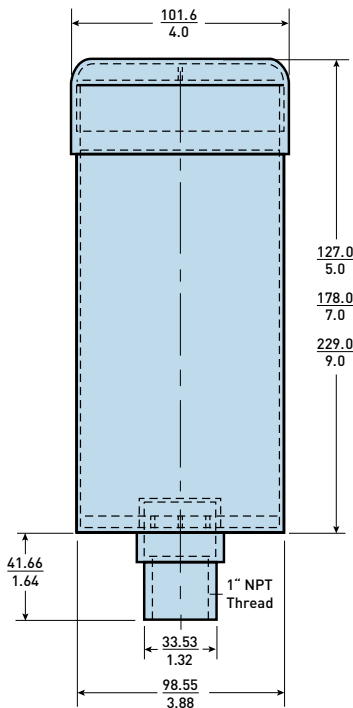
Desiccant Type Breather

Installation

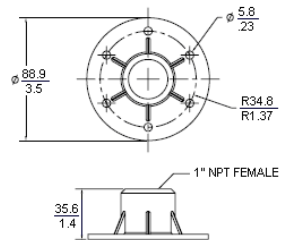
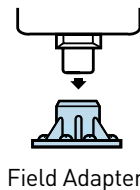
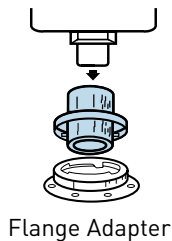
Triceptor breathers are designed for simple installation on most equipment, regardless of mounting connection. Since TriCeptor breathers are disposable, the threaded connection allows for quick and easy maintenance. Several mounting adapters (shown below) are available to provide the desired mounting. The installation/replacement process consists of four easy steps:

1. Remove from protective plastic wrap.
2. Remove 25mm blue cap from standpipe.
3. Remove foil label to expose the necessary amount of air intake holes.
4. Twist Triceptor into mounting adapter.

Servicing the Triceptor breather is also very easy. When the silica gel changes colour from blue to a pink, the breather is no longer active and needs to be replaced. Simply remove the unit and discard properly.



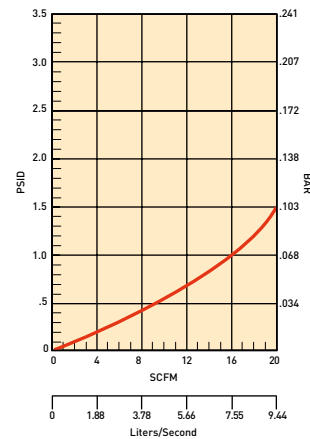
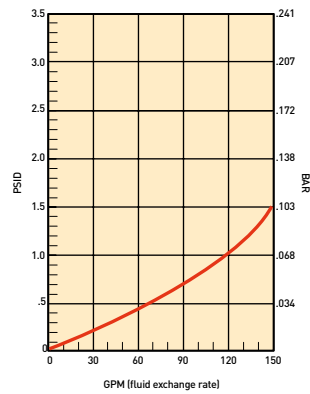
Note: Triceptor breathers comply with European REACH regulations



$$\text{Linear Measurement} = \frac{\text{mm}}{\text{in}}$$

Air Flow Performance

The curves below show the air flow performance of the three Triceptor breathers. To insure the longest life possible, the initial clean pressure drop should not exceed 0.103 bar.



Model	Part Number	Quantity
127mm Breather	934330T	6 pcs.
178mm Breather	934331T	6 pcs.
229mm Breather	934332T	6 pcs.
Field Adapter Nylon	937546	1 pc.
Flange Adapter	937463	1 pc.