Breathers

Desiccant Type

Specifications:

Materials:
Casing: Clarified copolymer polypropylene.
Cap: Copolymer polypropylene.
Stand pipe: PVC.

Filtration Element: Polyester, silica gel.

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

Seals: None.

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

Particle Removal Efficiency:
98.7% (beta 75) @ 3 micron
99.5% (beta 200) @ 4 micron
99.9% (beta 1000) @ 5.3 micron

Weight:

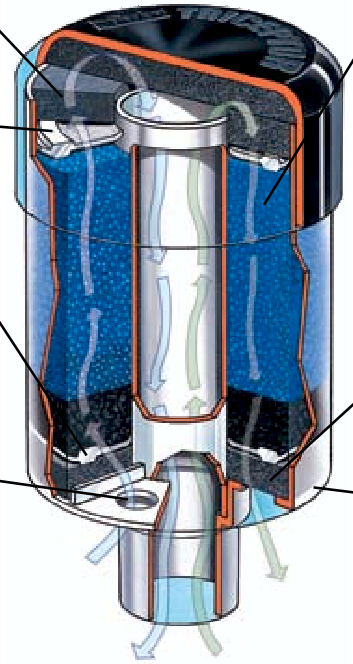
934330T	1.25 lbs. (.57 kg) each.
934331T	1.75 lbs. (.79 kg) each.
934332T	2.25 lbs. (1.02 kg) each.

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.

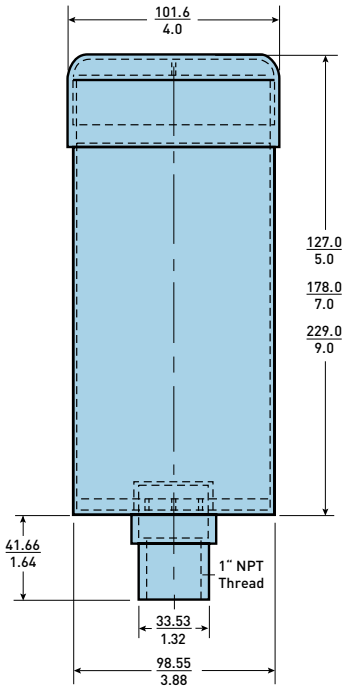
Molded Housing
Durable shock absorbing casing provides reliable service and simple press in mounting.

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 1" blue cap from standpipe.
3. Remove foil label to expose the necessary amount of air intake holes.
4. Twist TriCeptor into mounting adapter.

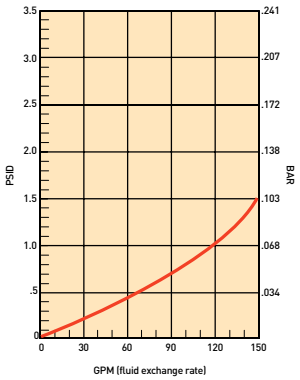
Servicing the TriCeptor breather is also very easy. When the silica gel changes color from blue to a pink, the breather is no longer active and needs to be replaced. Simply remove the unit and discard properly.

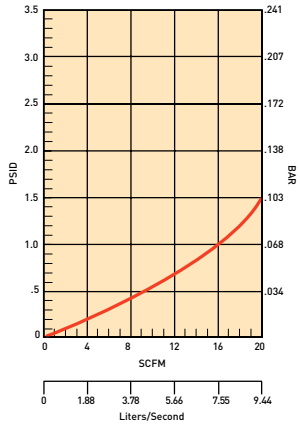


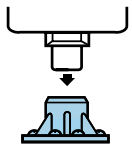
Linear Measurement= $\frac{mm}{in}$

Air Flow Performance

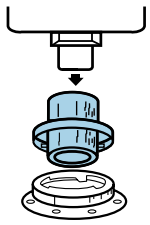
The curves below show the air flow performance of the three TriCeptor breathers. To insure the longest life possible, the initial clean pressure drop should not exceed 1.5 psid (.103 bar).







Field Adapter



Flange Adapter

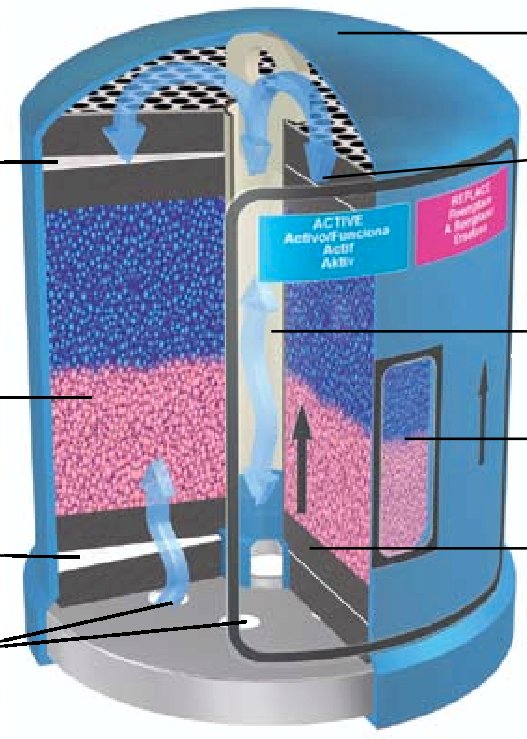
Model	Part Number	Quantity
5" Breather	934330T	6 pcs.
7" Breather	934331T	6 pcs.
9" Breather	934332T	6 pcs.
Field Adapter	937546	1 pc.
Flange Adapter	937463	1 pc.

Reservoir Accessories
Breathers

Parker's newest air breather is well suited for heavy duty industrial and mobile applications. This new design is equipped to handle high air flow surges as cylinders discharge while providing reliable protection from ingressed water vapor and particulates for clean dry fluids.
This also interchanges Pall's PFD8 series desiccant breather.

Part Number (air breather):	937346
Check vavle breather adaptor:	937347
Dimensions (height x dia):	6.5 in. (165mm) x 5 in. (127mm)
Filtration area:	38 in^2 (0.025 m^2)
Amount of silica gel:	24 oz. (680 g)
Absorption capacity:	9 0z. (266 ml)
Max. flow rate:	20 cfm @ 1 psid
Filtration:	1µm
Operating temp. range:	-20^0 F (-29^0 C) to +250^0 F (+121^0 C)
Hydrophilic agent:	Indicating silica gel
Filter media:	Polyester/Microglass

Optional breather check valve adator extends breather service life.



Second filter element protects against any migration of desiccant dust.

Color indicating silica gel, absorbs water from incoming air. During exhalation, dry system air is passed back through the silica gel bed partially regenerating the desiccant.

High performance filter element provides 1-micron filtration.

Air inlets are open to meet system requirements, providing "controlled" breathing. This maximizes the lifespan of breather.

Rugged aluminum housing.

Foam pad stops oil mist and ensures air is evenly disbursed through the filters and desiccant, providing maximum efficiency for "backflushing" and silica gel regeneration.

Stainless steel standpipe.

Visual indicator window. Replace breather when desiccant color changes from blue to pink.

Foam pads evenly disperse incoming air over filtration and drying media.

*Patented technology

Parker Hannifin Corporation
Hydraulic Filter Division
Metamora, OH