Reservoir Accessories

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:

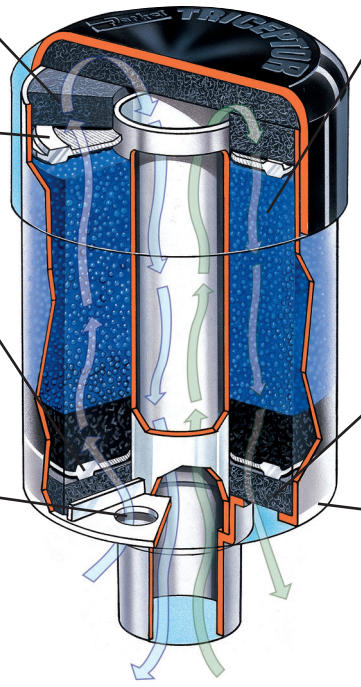
934330T	1.25 lbs. (.57 kg) each.
934331T	1.75 lbs. (.79 kg) each.
934332T	2.25 lbs. (1.02 kg) each.

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 up-stream 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.

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Breathers

Installation

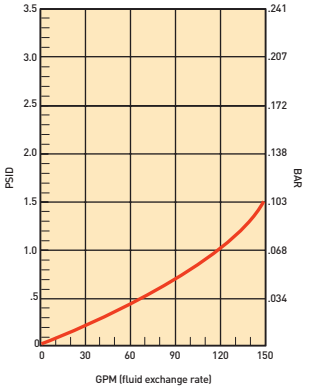
TriCeptor breathers are designed for simple installation on most equipment, regardless of mounting connection. Since TriCeptor breathers are disposable, the threaded connection allows for quick and easy maintenance. Several mounting adapters (shown below) are available to provide the desired mounting.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

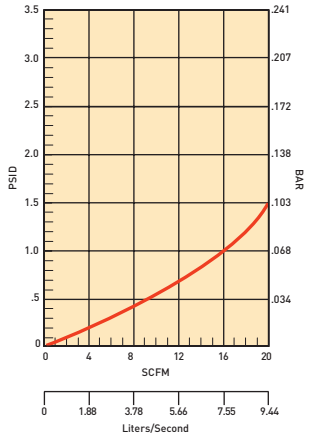
1. **Remove from protective plastic wrap.**
2. **Remove 1" blue cap from standpipe.**
3. **Remove foil label to expose the necessary amount of air intake holes.**
4. **Twist TriCeptor into mounting adapter.**

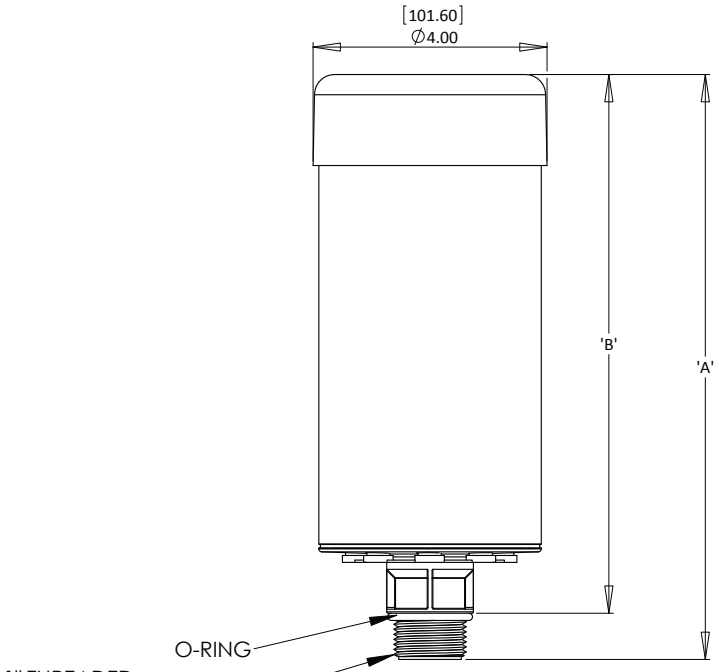
Servicing the TriCeptor breather is also very easy. When the silica gel changes color from blue to a pink, the breather is no longer active and needs to be replaced. Simply remove the unit and discard properly.

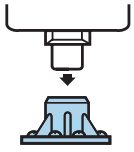
Air Flow Performance

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).

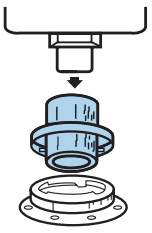








Field Adapter



Flange Adapter

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

Part Number	'A' (mm/in)	'B' (mm/in)	Quantity
934330T	155.58/6.125	135.256/5.325	6 pcs.
934331T	206.38/8.125	186.06/7.325	6 pcs.
934332T	257.18/10.125	236.86/9.325	6 pcs.
937546	Field Adapter	937546	1 pc.
937463	Flange Adapter	937463	1 pc.

Drawings are for reference only.
Contact factory for current version.

Reservoir Accessories

Mobile Triceptor

941655

New Design in Mobile Triceptor:

Parker's new mobile Triceptor desiccant filter breather incorporates a design that replaces both the spin-on can and the optional check valve adaptor.

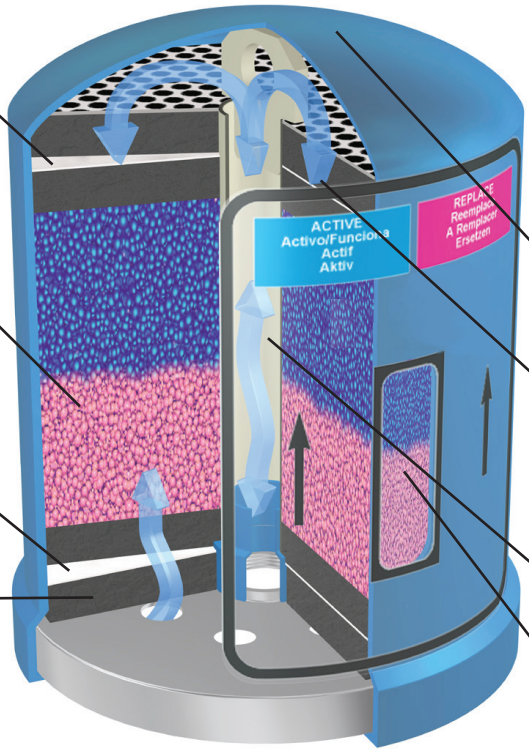
Optimized for mobile applications, the mobile Triceptor is equipped to handle high air flow surges as cylinders unload, while providing reliable protection from ingressed contaminants. Controlling rust-forming water vapor and airborn particulates, the breather protects against sludge deposits and water contaminated oil resulting in longer oil and filter life while reducing operating costs.

941747

3/4" NPT Vent Valve Adapter

Prolongs breather life by diverting air exhausting from reservoir away from desiccant bed.

For mobile applications where oil sloshing can occur, it prevents oil coating desiccant bed. Resulting in diminished performance of the breather's water absorption efficiency.



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.

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

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.

*Patented technology

Reservoir Accessories

Mobile Triceptor

General Data

Amount of Silica Gel	0.79 kg 1 lb. 12 oz.
Adsorption Capacity	318 mL 1.34 cups
Net Weight of Unit	1.8 kg 4 lbs. 3 oz.
Filtration Area	31.1 in^2 / 79 cm^2
Direction of Flow	Bidirectional
Operating Temperature Range	-20°F to 300°F / -29°C to 148.89°C

Unit Material Data

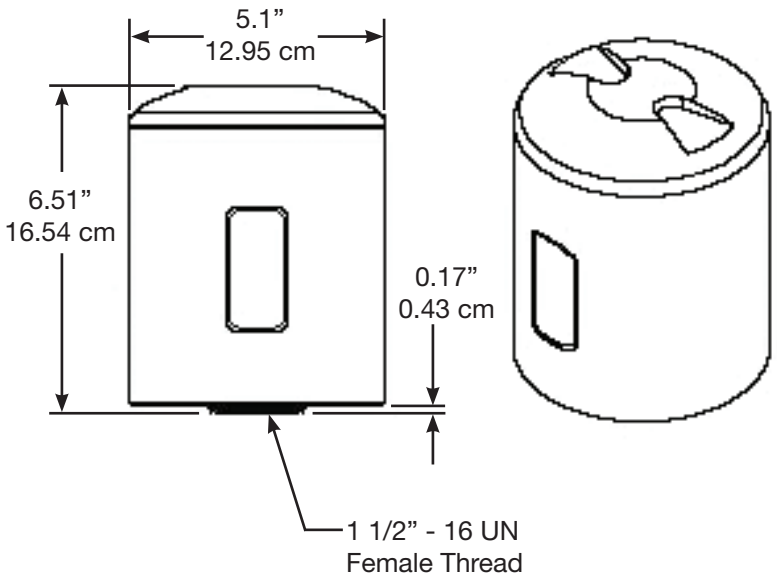
Material	Nylon and MXD6
Maximum Operating Temperature	300°F / 148.89°C
Melting Point	320°F / 160°C
Check Valve Adapter	Zinc Plated Steel

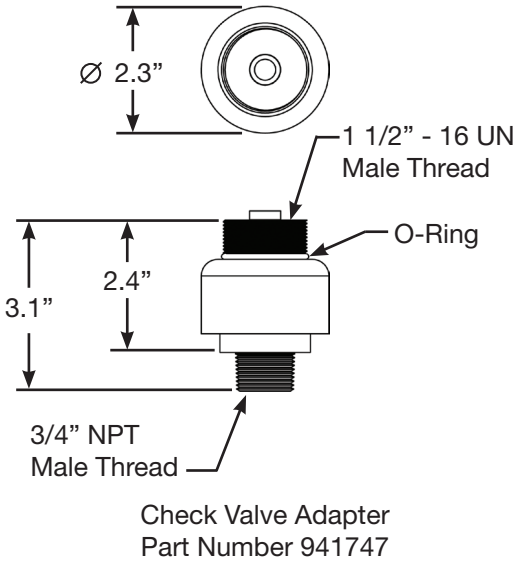
Filter Media

Material	EPTFE
Porosity	3.5 - 7.5 Ft./min. @ 0.5 in. - H2O (ASTM D 737)
Filtration Efficiency	99.97% @ 0.3µ (IES-RP-CC021.1)

Hygroscopic Agent (Silica Gel)

Apparent Bulk Density	700 - 800 kg/m3
Average Particle Diameter	0.145” / 3.68 mm
Specific Heat	0.25 BTU/lb. F
Nomimal Mesh Range	4 x 8
Average Crush Strength	35 lbs. / 15.9 kg





Note: Element removal clearance = 1”

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Contact factory for current version.