



Reservoir Accessories

Filler Breathers, Strainers, Diffusers,
Fluid Level/Temperature Gauges



Reservoir Accessories

Filler Breathers

Non-Metallic Filler Breathers Single-Hole and Six-Hole Styles

Specifications:

Materials:

Body: Non-corrodible glass filled nylon.

Valve: Nylon/Nitrile.

Dipstick: ABS, acetal Hi/Lo indicators.

Filtration Element: Expanded polyurethane foam, 10 micron.

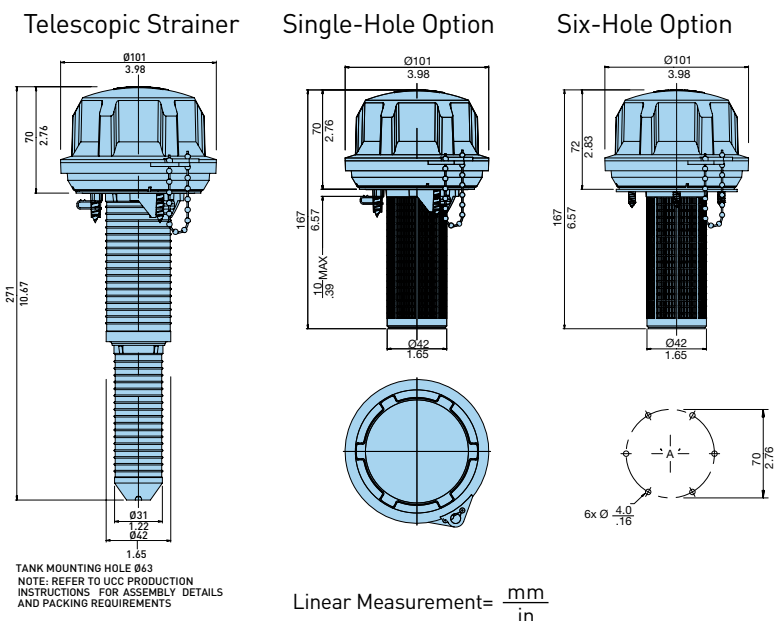
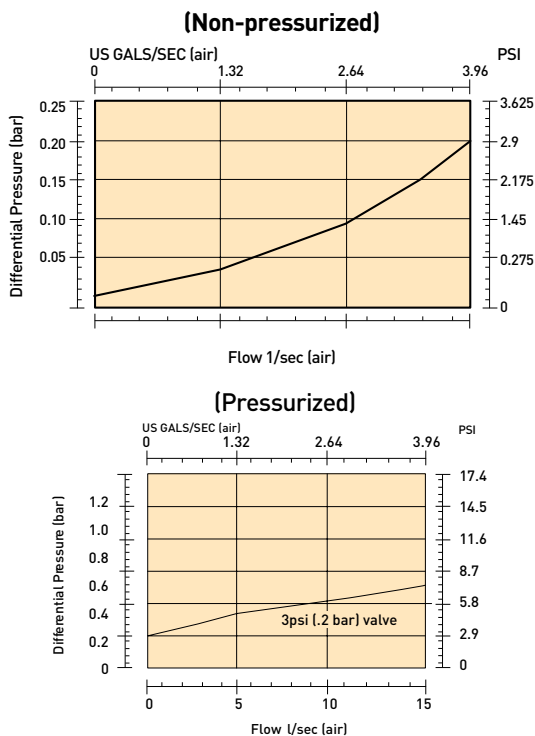
Operating Temperatures: -22°F (-30°C) to 195°F (90°C).

Seals: Nitrile (single-hole), cork gasket (six-hole).

Pressurization Options: 3 psi (0.2 bar).

Dipstick: (optional) 7.9 in. (200 mm) or 15.8 in. (400 mm) lengths with adjustable Hi/Lo indicators.

**Anti-Splash
Design!**



Non-pressurized

Single-Hole New Part No.	Single-Hole Obs. Part No.	Six-Hole New Part No.	Six-Hole Obs. Part No.	Micron Rating	Description	Screws*
AB.98210001.UC	FB1.A1A1A2P	AB.98810001.UC	FB1.D1A1A2P	10	Filler breather without strainer	(6)-M10x.5
AB.98210011.UC	FB1.A1A1B2P	AB.98810011.UC	FB1.D1A1B2P	10	Filler breather with 3.7" (95 mm) strainer	(6)-M10x.5
AB.98210021.UC	FB1.A1A1C2P	AB.98810021.UC	FB1.D1A1C2P	10	Filler breather with telescopic strainer	(6)-M10x.5

Pressurized

Single-Hole Part No.	Six-Hole New Part No.	Six-Hole Obs. Part No.	Micron Rating	Description	Screws*
Not Available	AB.98812001.UC	FB1.D1B1A2P	10	3 psi (.2 bar) without strainer	(6)-M10x.5
Not Available	AB.98812011.UC	FB1.D1B1B2P	10	3 psi (.2 bar) with 3.7" (95 mm) strainer	(6)-M10x.5
Not Available	AB.98812021.UC	FB1.D1B1C2P	10	3 psi (.2 bar) with telescopic strainer	(6)-M10x.5

Dipsticks

New Part Number	Obsolete Part Number	Description
B.68.206	DIP.FB2	Pack of (10) x 7.9"
DIP.FB4	-	Pack of (10) x 15.8"

*Mounting screws for six-hole only



Non-Metallic Breathers

Threaded Type

Specifications:

Materials:

Body: Nylon 66.

Valve: Nylon/Nitrile.

Dipstick: ABS, acetal Hi/Lo indicators.

Filtration Element: Expanded polyurethane foam, 10 micron.

Operating Temperatures: -22°F (-30°C) to 195°F (90°C).

Seals: Nitrile.

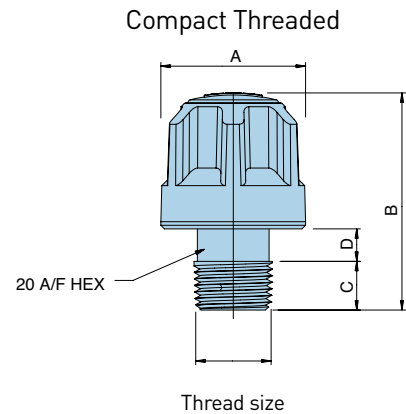
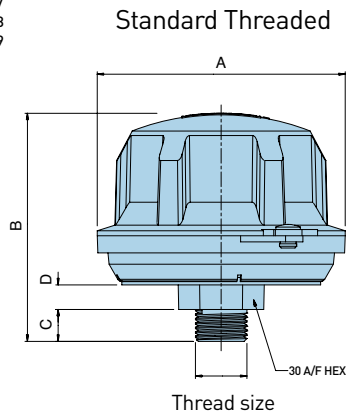
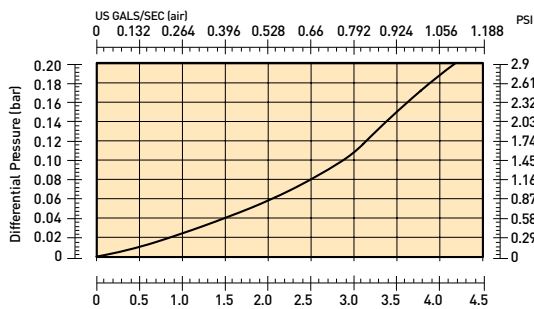
Pressurization Options: 3 psi (0.2 bar).

Dipstick: (optional) 7.9 in. (200 mm) or 15.8 in. (400mm) lengths with adjustable Hi/Lo indicators.

Anti-Splash Design!



COMPACT THREADED



Compact Threaded

New Part Number	Obs. Part Number	Micron Rating	Thread	Pressure	"A"	"B"	"C"	"D"
AB.683102.UC*	SB1.A1A2P*	10	1/4" NPT	non-pressurized	1.6" [40 mm]	2.2" [57 mm]	.55" [14 mm]	.24" [6 mm]
AB.68Y102.UC*	SB1.C1A2P*	10	1/2" NPT	non-pressurized	1.6" [40 mm]	2.4" [60 mm]	.53" [13.5 mm]	.35" [9 mm]
AB.68Z102.UC*	SB1.D1A2P*	10	3/4" NPT	non-pressurized	1.6" [40 mm]	2.4" [60 mm]	.55" [14 mm]	.35" [9 mm]

*Pack of (10) pieces.

Standard Threaded

New Part Number	Obs. Part Number	Micron Rating	Thread	Pressure	"A"	"B"	"C"	"D"
Not Available	FB1.C1A3A2P	10	1/2" NPT	non-pressurized	4.0" [101 mm]	3.7" [93 mm]	.51" [13 mm]	.39" [10 mm]
FB1.C1B3A2P	-	10	1/2" NPT	3 psi (.2 bar)	4.0" [101 mm]	3.7" [93 mm]	.51" [13 mm]	.39" [10 mm]
AB.98410201.UC	FB1.B1A3A2P	10	3/4" NPT	non-pressurized	4.0" [101 mm]	3.8" [95 mm]	.63" [16 mm]	.39" [10 mm]
AB.98412201.UC	FB1.B1B3A2P	10	3/4" NPT	3 psi (.2 bar)	4.0" [101 mm]	3.8" [95 mm]	.63" [16 mm]	.39" [10 mm]

Dipsticks

New Part Number	Obs. Part Number	Description
B.68.206	DIP.FB2	Pack of (10) x 7.9"
DIP.FB4	-	Pack of (10) x 15.8"

Reservoir Accessories

Filler Breathers

Metal Filler Breathers

Flange Type

Specifications:

Materials:

Cap & Plate: Nickel chrome plated steel.
Valve: Nylon/Nitrile.

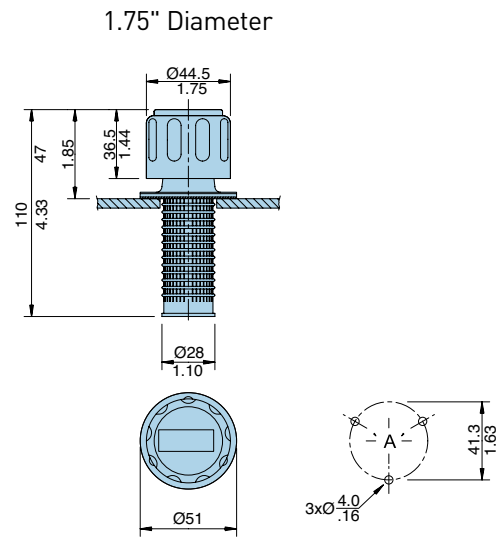
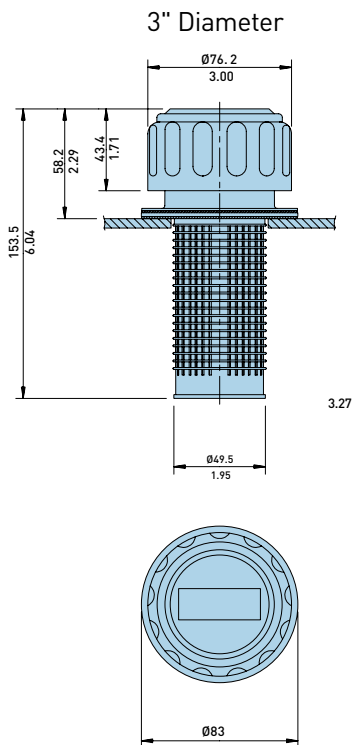
Gasket: Cork.

Filtration Element: Expanded polyurethane foam, 10 micron.

Operating Temperatures: -22°F (-30°C) to 195°F (90°C).

Seals: Nitrile.

Pressurization Options: none, 5 psi (0.35 bar).



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

Flange Type, Non-pressurized

New Part No.	Obs. Part No.	New Part (Cap As.)	Obs. Part (Cap As.)	Micron Rtg	Air Flow	Description	Screws
AB.1163.10	MB1.D1A1B1P	CAP.1163.10	CP1.D1A1A1P	10	2 gal./sec. (7.5 l/sec.)	3" (76 mm) dia.	(6)-M10x.5
5561	MB1.D1A1B2P	Not Available	Not Available	10	2 gal./sec. (7.5 l/sec.)	3" (76 mm) dia., w/lck lug	(6)-M10x.5
AB.1380.10	MB1.A1A1B1P	CAP.1380.40	CP1.A2A1A1P	10	1.3 gal./sec. (5 l/sec.)	1.75" (44.5 mm) dia.	(6)-M10x.5

Flange Type, Pressurized

New Part No.	Obs. Part No.	New Part (Cap As.)	Obs. Part (Cap As.)	Micron Rtg.	Air Flow	Description	Screws
PAB.1730.10.5	MB1.D1C1B1P	CAP.1730.40.5	CP1.D1C1A1P	10	2 gal./sec. (7.5 l/sec.)	5 psi (.35 bar), 3" (76 mm) dia.	(6)-M10x.5



Metal Breathers

Threaded Type

Specifications:

Materials:

Cap & Plate: Nickel chrome plated steel.

Valve: Nylon/Nitrile.

Gasket: Cork.

Filtration Element: Expanded polyurethane foam, 10 micron.

Operating Temperatures: -22°F (-30°C) to 195°F (90°C).

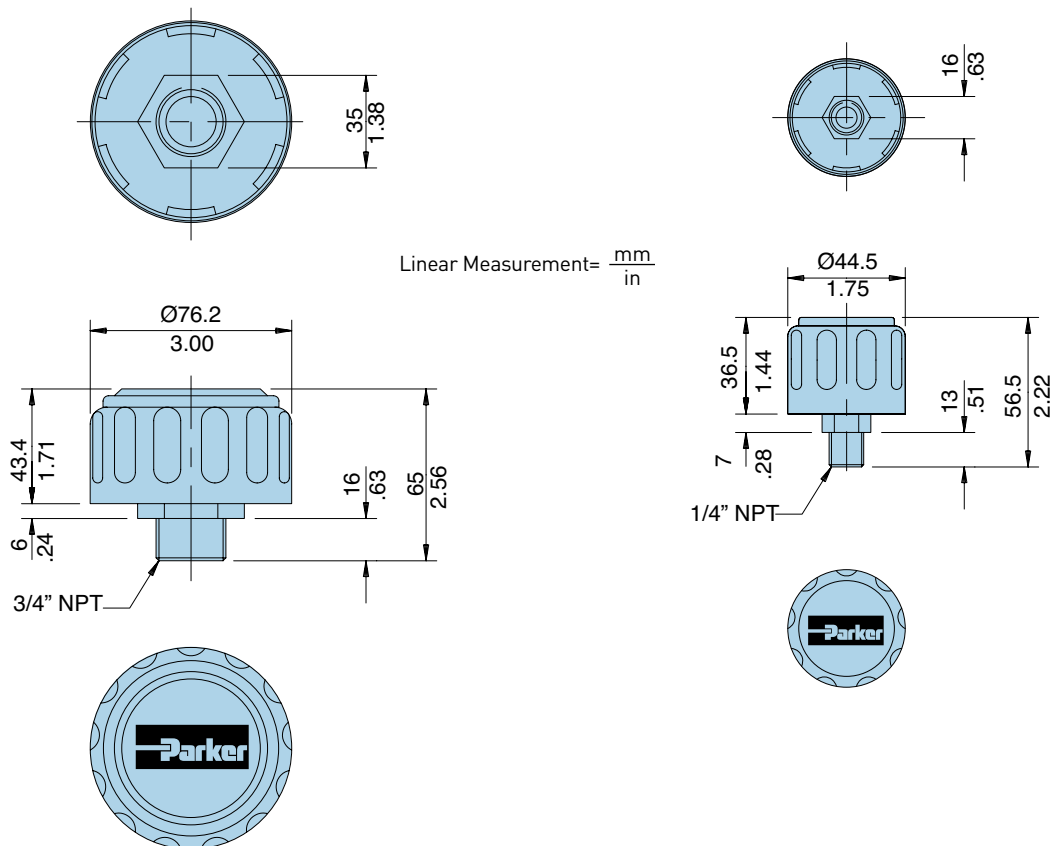
Seals: Nitrile.

Pressurization Options: none, 5 psi (0.35 bar).



3/4" Threaded

1/4" Threaded



Threaded, Non-pressurized

New Part Number	Obs. Part Number	Micron Rating	Air Flow	Thread	Description
SAB.1562.10.NPT	MB1.B1A3A1P	10	1.3 gallon/sec. (5 l/sec.)	3/4" NPT	3" (76 mm) diameter
SAB.1563.10.NPT	MB1.C1A3A1P	10	.7 gallon/sec. (2.5 l/sec.)	1/4" NPT	1.75" (44.5 mm) diameter

Threaded, Pressurized

New Part Number	Obs. Part Number	Micron Rating	Air Flow	Thread	Description
SPA.1731.10.5.NPT	MB1.B1C3A1P	10	2 gallon/sec. (7.5 l/sec.)	3/4" NPT	5psi (.35 bar) with 3" (76 mm) diameter

Reservoir Accessories

Breathers

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

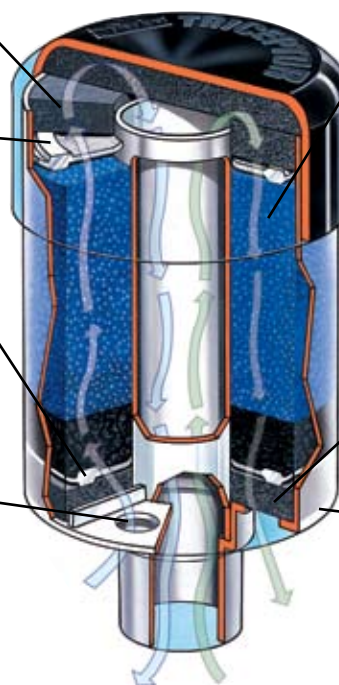
Has the highest removal capability by volume of any adsorption method. Indicates condition by changing color.

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.

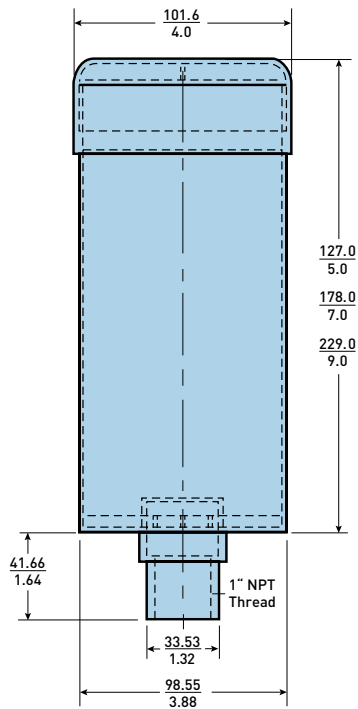


Installation

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.

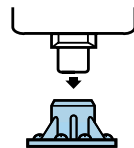
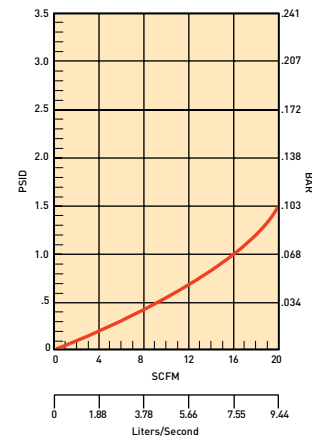
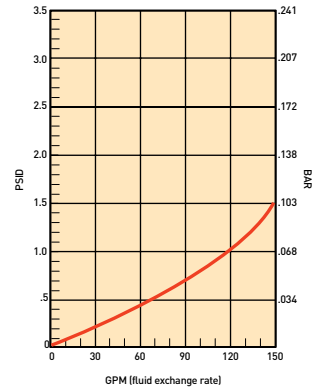
Servicing the TriCeptor breather is also very easy. When the silica gel changes color from blue to a pink, the breather is no longer active and needs to be replaced. Simply remove the unit and discard properly.



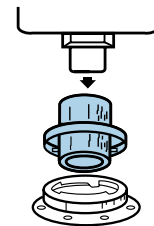
Linear Measurement = $\frac{\text{mm}}{\text{in}}$

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 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

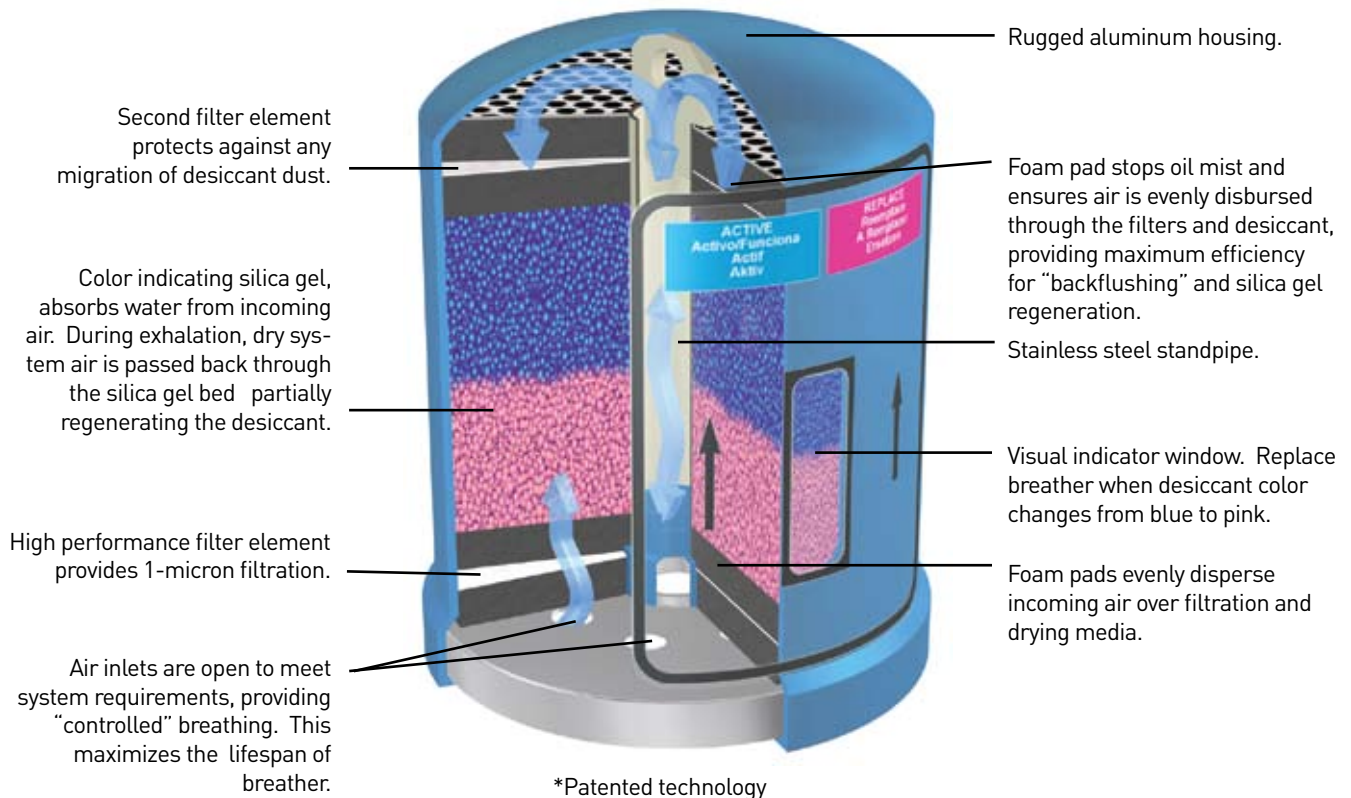
Parker's newest air breather is well suited for heavy duty industrial and mobile applications. This new design is equipped to handle high air flow surges as cylinders discharge while providing reliable protection from ingressed water vapor and particulates for clean dry fluids.

This also interchanges Pall's PFD8 series desiccant breather.

Part Number (air breather):	937346
Check valve 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 Oz. (266 ml)
Max. flow rate:	20 cfm @ 1 psid
Filtration:	1µm
Operating temp. range:	-20° F (-29° C) to +250° F (+121° C)
Hydrophilic agent:	Indicating silica gel
Filter media:	Polyester/Microglass



Optional breather check valve adaptor extends breather service life.



Breathers

Spin-on Type

- Specifications:**
Materials: Low carbon steel.
Filtration Element: Cellulose.
Operating Temperatures: -40°F (-40°C) to 225°F (107°C).
Seals: Nitrile.
Weight: 12AT - 1.2 lbs(.54 kg) each.
 50AT - 2.3 lbs. (1.0 kg) each.

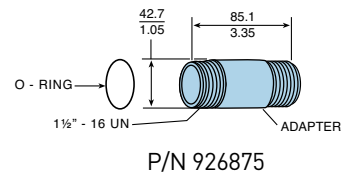
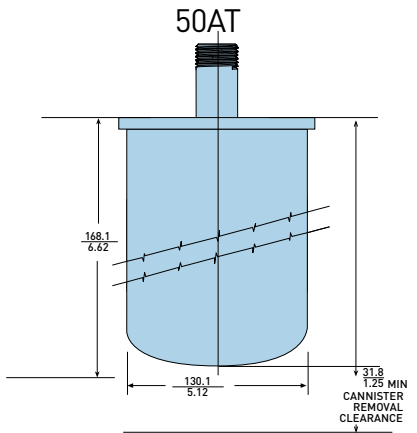
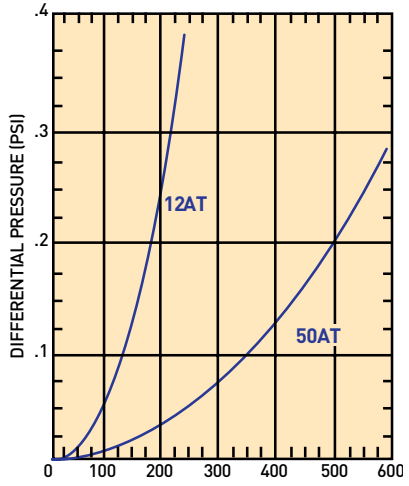
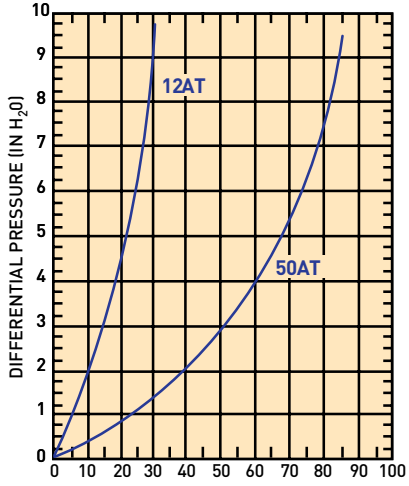
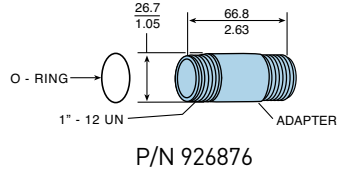
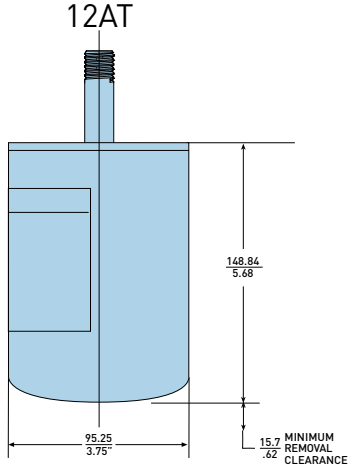
Sizing
 Select the proper size cannister for the maximum rate of reservoir draw down or air exchange rate. As a rule of thumb, clean pressure drop should be limited to 0.18 psid [5" H₂O].

Recommended cannister change out is after 500 hours of operation. More frequent replacement may be required when operated in heavily contaminated areas such as grinding operations, primary metal mills, and on mobile equipment. Under such conditions, increase replacement frequency to every 250 hours.

- Graphs are for 03C cannisters only. Total pressure drop across cannister, adaptor, and pipe may be found by adding pressure drops below:
- + 1.5% for each inch of 12AT adapter or 3/4" pipe used.
 - + 3.0% for each 3/4" elbow used.
 - + 1.0% for each inch of 50AT adapter or 1-1/4" pipe used.
 - + 2.0% for each 1-1/4" elbow used.



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



Element	Air Rating*	Diameter	Adaptor Kit
926543	1 micron	3.75"	926876
921999	2 micron	3.75"	926876
925023	5 micron	3.75"	926876
926541	1 micron	5.1"	926875
926169	2 micron	5.1"	926875
926170	5 micron	5.1"	926875

*99% removal efficiency for particles larger than stated size in air.



Reservoir Accessories

Diffusers

Diffusers

Specifications:

Operating Temperatures: 195°F (90°C) maximum.

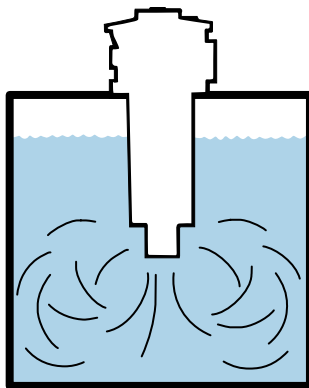
Materials: Body & end cap: Zintec.

Head: glass-filled nylon.

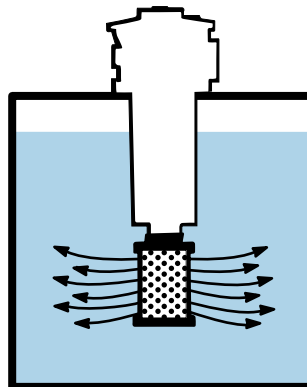
Weight: See chart below.

Benefits:

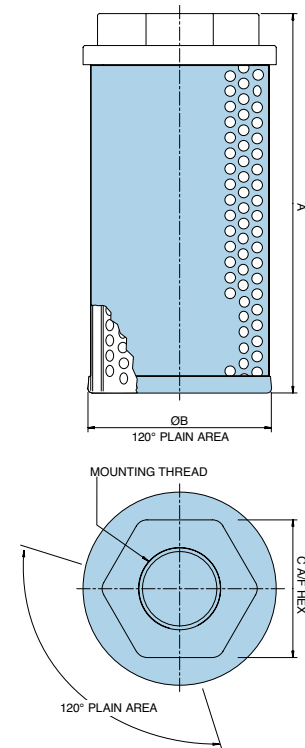
Installing a diffuser in a hydraulic reservoir is a simple change that can make a dramatic difference in system efficiency. With special concentric tubes designed with discharge holes 180° opposed, fluid aeration, foaming and reservoir noise are reduced. Pump life is also extended by reducing cavitation to the pump inlet. The effects of fitting a system with a diffuser are shown below.



Flow without diffuser



Flow with diffuser fitted



New Part Number	Obs. Part Number	Thread (NPT)	Nominal Flow GPM (LPM)	Length "A" Inch (mm)	Diameter "B" Inch (mm)	HEX "C" Inch (mm)	Weight Lbs. (kg)
2250	DF1.A2BP	3/4"	13 (50)	4.7 (120)	2.4 (62)	1.81 (46)	.60 (0.27)
2251	DF1.B4BP	1"	30 (114)	5.0 (127)	3.4 (86)	2.17 (55)	.93 (0.42)
2252	DF1.B6BP	1 1/2"	60 (227)	7.0 (178)	3.4 (86)	2.56 (65)	1.23 (0.56)
2253	DF1.B9BP	2"	120 (454)	9.5 (242)	3.4 (86)	2.95 (75)	1.52 (0.69)

Fluid Level/ Temperature Gauges

Specifications:

Materials:

Lens: Transparent polyamide.
 Lens base: Nylon 66.
 Shroud: High impact polystyrene (no aluminum content).

Seals: Nitrile.

Maximum Operating Pressure: 14.7 psi (1 bar).

Operating Temperatures: -22°F (-30°C) to 195°F (90°C).

Thermometer Range: 90°F to 210°F (30°C to 90°C).

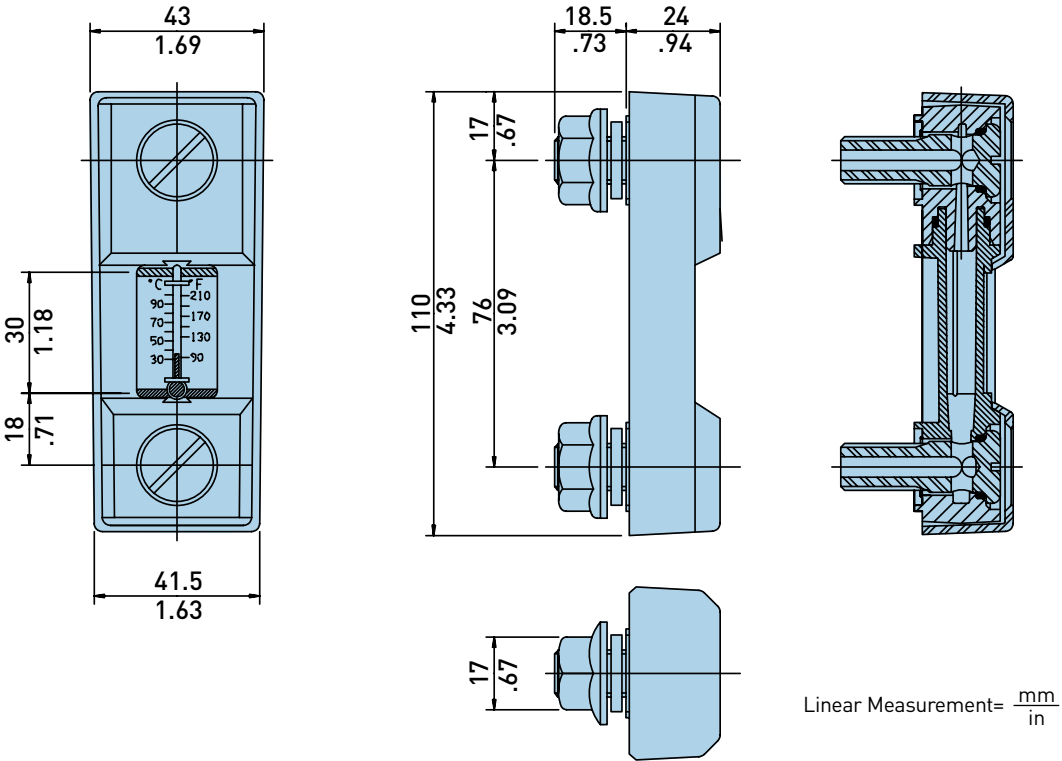
Indicator: Blue alcohol.

Fluid Compatibility: Mineral and petroleum based fluids.

Mounting: Front or rear fixing, two holes (M10).



Length 3

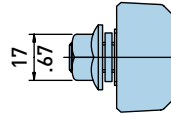
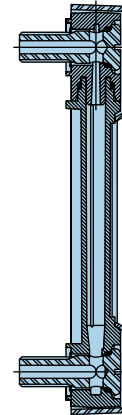
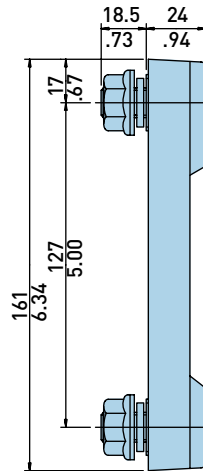
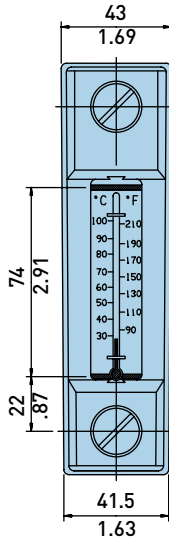


Part Number	Thread	Length	Description
FL.69121	M10	3	Fluid level and temperature
FL.69221	M10	5	Fluid level and temperature
FL.69321	M10	10	Fluid level and temperature

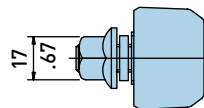
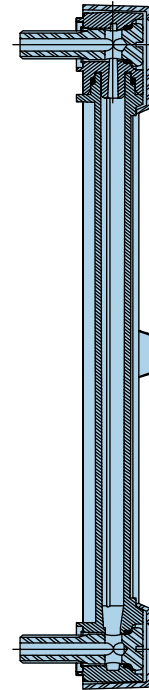
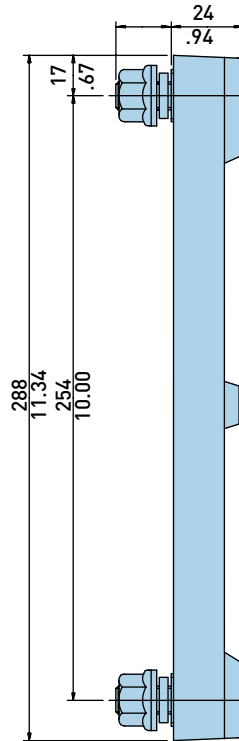
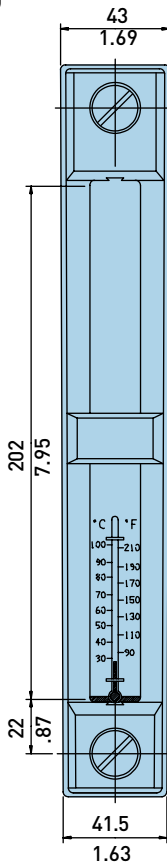
Reservoir Accessories

Fluid Level/Temperature Gauges

Length 5



Length 10



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

Suction Strainers

Specifications:

Materials:

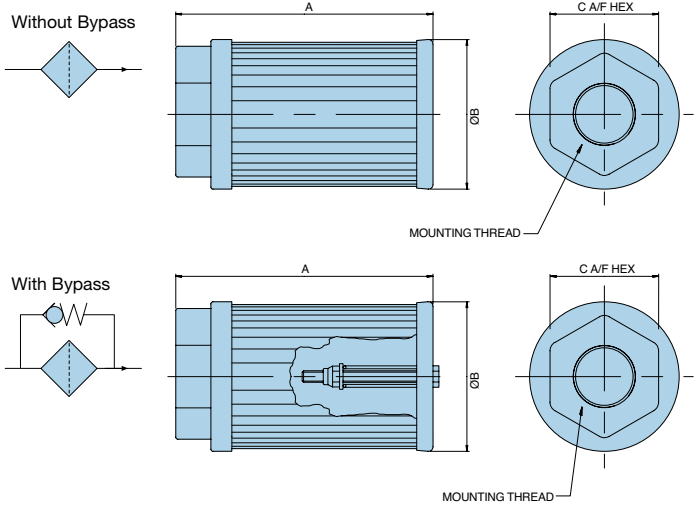
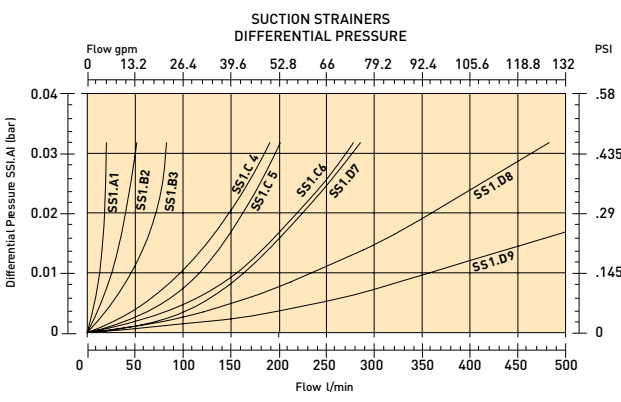
Media: Stainless steel.
 Tube and endcap: Zintec.
 Head: glass filled nylon.

Filtration Element: 100 mesh (149 micron).

Operating Temperatures: 195°F (90°C) maximum.

Bypass: None, 3 psi (0.2 bar).

Weight: See chart below.



New Part No. With Bypass	Obs. Part No. With Bypass	New Part No. W/out Bypass	Obs. Part No. W/out Bypass	Port (NPT)	Nominal Flow GPM (LPM)	Length "A" Inch (mm)	Diameter "B" Inch (mm)	Hex "C" Inch (mm)	Weight Lbs. (kg)
937481	SE.75112111	937480	SE.75112110	1/2"	5 (19)	3.10 (78.7)	2.67 (67.8)	1.42 (36)	0.4 (18)
937483	SE.75222111	937482	SE.75222110	3/4"	8 (30)	3.55 (90.2)	2.67 (67.8)	1.81 (46)	0.5 (.23)
937485	SE.75232211	937484	SE.75232210	1"	10 (38)	5.35 (135.9)	2.67 (67.8)	2.17 (55)	0.7 (.32)
937487	SE.75352211	937486	SE.75352210	1 1/2"	30 (114)	8.01 (203.5)	3.47 (88.1)	2.56 (65)	1.2 (.54)
937489	SE.75352311	937488	SE.75352310	1 1/2"	50 (189)	9.85 (250.2)	4.00 (101.6)	2.56 (65)	1.4 (6.4)
937491	SE.75362411	937490	SE.75362410	2"	50 (189)	9.85 (250.2)	4.00 (101.6)	2.95 (75)	1.8 (.82)
937495	SE.75472311	937494	SE.75472310	2 1/2"	75 (284)	10.1 (256.6)	5.17 (131.3)	3.54 (90)	2.3 (1.04)
937497	—	937496	—	3"	100 (378)	11.8 (299.7)	5.17 (131.3)	3.94 (100)	3.0 (1.36)

Reservoir Accessories

Magnetic Suction Strainers

Magnetic Suction Strainers

Now offer dual protection, without cavitation!

Parker's new magnetic suction strainers offer dual protection to the pump inlet without risk of cavitation.

Powerful ceramic magnets located parallel to the pleated mesh attract and protect against damaging ferrous particles of all sizes.

The pleated stainless steel screen provides additional filtration protection for larger particles that would result in catastrophic failure.

The generous open area of the stainless steel pleated mesh screen eliminates the possibility of pump cavitation.



Parker's magnetic suction strainers are available in sizes ranging from one to three inches.

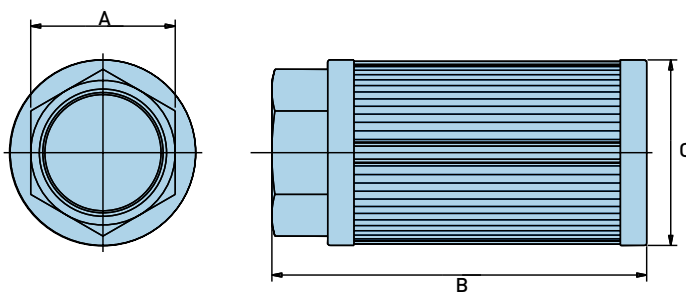
Ordering Information

The information below shows the part numbers, specifications and dimensions of available suction strainers, to help you meet the needs of your specific application.

NOTE: All sizes are standard with 30 mesh screen (560 micron).

Part Number	NPT Connection	Flow GPM (LPM)	Dimensions			Approx. Shipping Weight lbs. (kg)
			A inches (mm)	B inches (mm)	C inches (mm)	
936547	1.00"	15 (55)	1.88 (47.75)	5.19 (131.83)	3.09 (78.49)	1.59 (0.72)
936548	1.25"	25 (95)	2.38 (60.45)	7.39 (187.71)	3.53 (89.66)	3.16 (1.43)
936549	1.50"	35 (135)	2.38 (60.45)	7.39 (187.71)	3.53 (89.66)	2.88 (1.31)
936550	2.00"	50 (190)	2.75 (69.85)	7.39 (187.71)	3.53 (89.66)	2.22 (1.01)
936551	3.00"	100 (380)	*	9.35 (237.49)	4.47 (113.54)	3.91 (1.77)

*Part number 936551 features a 3" half coupling, not a hex nut.



The rugged steel construction, combined with the generous filtration area, ensures reliable performance for suction applications.

Flow Vs. Pressure Loss

