



Reservoir Accessories

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



ENGINEERING YOUR SUCCESS.

Reservoir Accessories

Non-Metallic Filler Breathers

Anti-Splash Design

Specifications

Materials:

Body: Non-corrodible glass filled nylon

Valve: Nylon/Nitrile

Dipstick: ABS, acetal Hi/Lo indicators

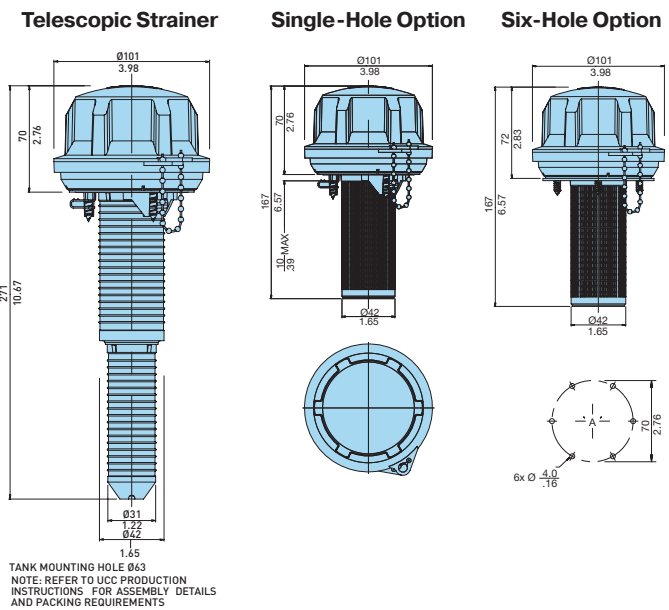
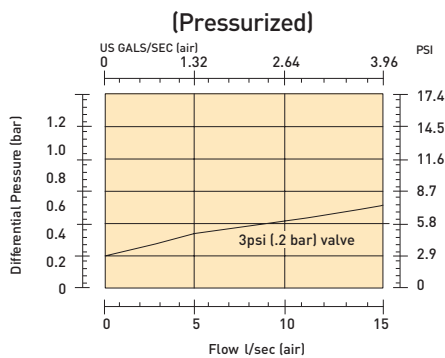
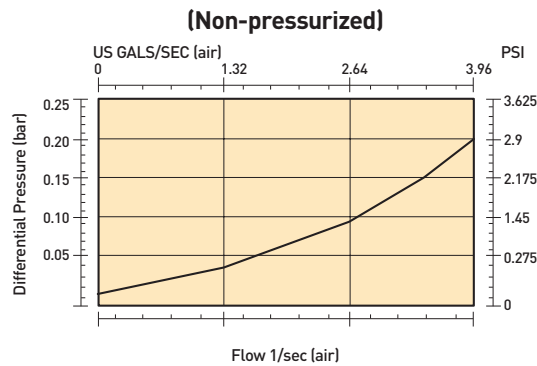
Filtration Element: Expanded polyurethane foam, 10 micron

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)

Dipstick¹: (optional) 7.9 in. (200 mm) or 15.8 in. (400 mm) lengths with adjustable Hi/Lo indicators



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

Non-pressurized

Single-Hole Part Number	Six-Hole Part Number	Micron Rating	Description	Screws*
AB98210011	AB.98810011.UC	10	Filler breather w/ 3.7" (95 mm) strainer	(6)-#10x.5
AB98210021	AB.98810021.UC	10	Filler breather w/ telescopic strainer	(6)-#10x.5

Pressurized

Single-Hole Part Number	Six-Hole Part Number	Micron Rating	Description	Screws*
Not available	AB.98812021.UC	10	3 psi (.2 bar) with telescopic strainer	(6)-#10x.5

Dipsticks

Part Number	Description
B68206	Pack of (10) x 7.9"
B68207	Pack of (10) x 15.8"

* Mounting screws for six-hole only
 1 Dipstick cannot be used with the compact breather series

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

Reservoir Accessories

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

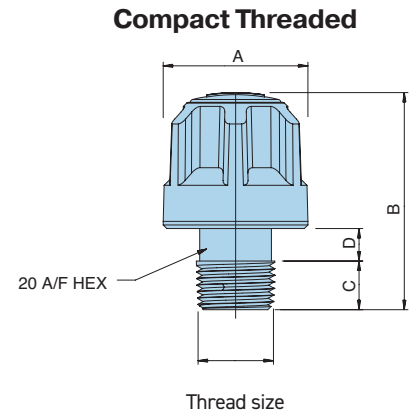
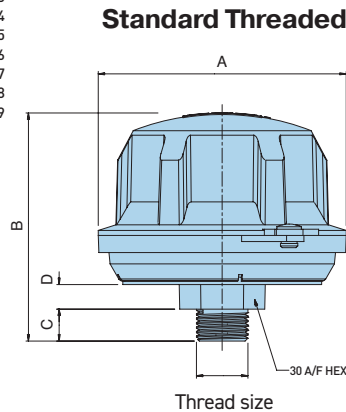
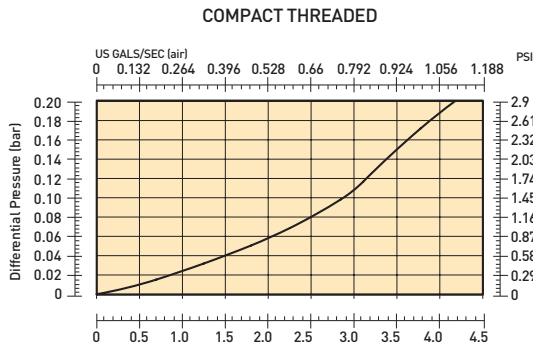
Operating Temperatures: -22°F (-30°C) to 195°F (90°C)

Seals: Nitrile

Pressurization Options: 3 psi (0.2 bar)

Dipstick¹: (optional) 7.9 in. (200 mm) or 15.8 in. (400mm) lengths with adjustable Hi/Lo indicators

Anti-Splash Design



Compact Threaded (dimensions inches(mm))

Single-Hole Part Number	Micron Rating	Thread	Pressure	A	B	C	D
943296*	10	1/4" NPT	non-pressurized	1.6 (40)	2.2 (57)	.55 (14)	.24 (6)
943298*	10	1/2" NPT	non-pressurized	1.6 (40)	2.4 (60)	.53 (13.5)	.35 (9)
942642*	10	3/4" NPT	non-pressurized	1.6 (40)	2.4 (60)	.55 (14)	.35 (9)
943297	10	3/8" NPT	non-pressurized				

Standard Threaded (dimensions inches(mm))

Single-Hole Part Number	Micron Rating	Thread	Pressure	A	B	C	D
AB.98410201.UC	10	3/4" NPT	non-pressurized	4.0 (101)	3.8 (95)	.63 (16)	.39 (10)
AB.98412201.UC	10	3/4" NPT	3 psi (.2 bar)				

Dipsticks

Part Number	Description
B68206	Pack of (10) x 7.9"
B68207	Pack of (10) x 15.8"

* Pack of (10) pieces
 1 Dipstick cannot be used with the compact breather series

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Reservoir Accessories

Metal Filler Breathers

Flange Type

Specifications

Materials:

Cap & Plate: Nickel chrome plated steel

Valve: Nylon/Nitrile

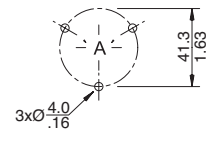
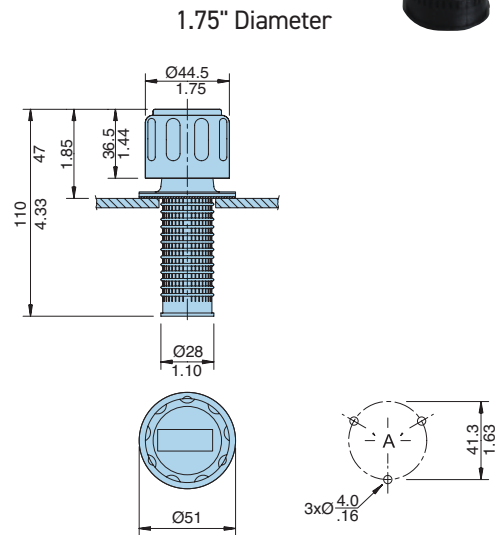
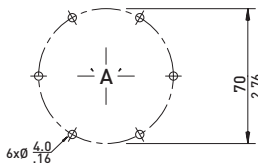
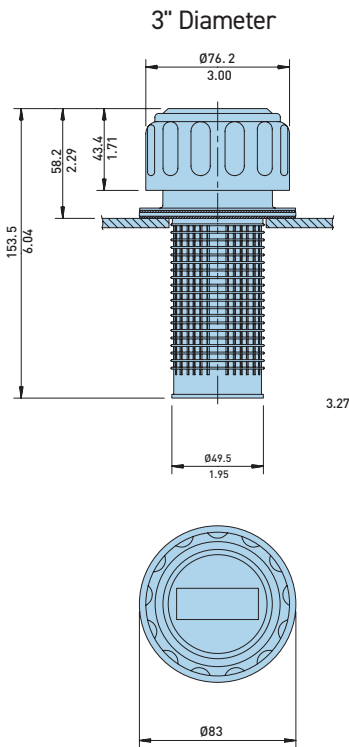
Gasket: Cork

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

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

Flange type, Non-pressurized (dimensions inches(mm))

Part Number	Cap Assembly	Micron Rating	Air Flow	Description	Screws
AB116310	CAP.1163.10	10	2 gal/sec (7.5 l/sec)	3 (76) diameter	(6)-#10x.5
5561	NA	10	2 gal/sec (7.5 l/sec)	3 (76) diameter w/ lock lug	(6)-#10x.5
AB.1380.10	CAP.1380.40	10	1.3 gal/sec (5 l/sec)	1.75 (44.5) diameter	(6)-#10x.5

Flange type, Pressurized (dimensions inches(mm))

Part Number	Cap Assembly	Micron Rating	Air Flow	Description	Screws
PAB.1730.10.5	CAP.1730.40.5	10	2 gal/sec (7.5 l/sec)	5 psi (.35 bar), 3" (76mm) diameter	(6)-#10x.5

Reservoir Accessories

Metal Breathers

Threaded Type

Specifications

Materials:

Cap & Plate: Nickel chrome plated steel

Valve: Nylon/Nitrile

Gasket: Cork

Filtration Element: Expanded polyurethane foam, 10 micron

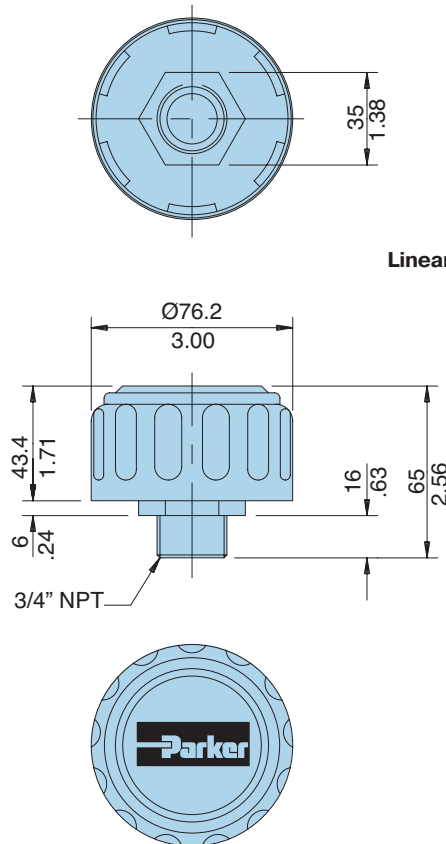
Operating Temperatures: -22°F (-30°C) to 195°F (90°C)

Seals: Nitrile

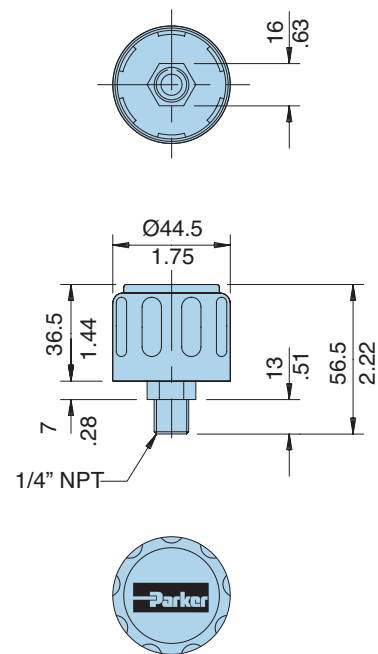
Pressurization Options: none, 5 psi (0.35 bar)



3/4" Threaded



1/4" Threaded



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

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

Threaded, Non-pressurized (dimensions inches(mm))

Single-Hole Part Number	Micron Rating	Thread	Air Flow	Description
SAB.1562.10.NPT	10	3/4" NPT	1.3 gal/sec. (5 l/sec)	3 (76) diameter
SAB.1563.10.NPT	10	1/4" NPT	0.7 gal/sec. (2.5 l/sec)	1.75 (44.5) diameter

Reservoir Accessories

Breathers - Spin-On Type



Specifications

Materials: Canister: Low Carbon Steel
Multi-layer Filtration: 2 diffusion filters, activated carbon filter, 3 μ PTFE filter, 100 μ stainless steel filter
Operating Temperatures: -40°F (-40°C) to 302°F (150°C)
Seals: None

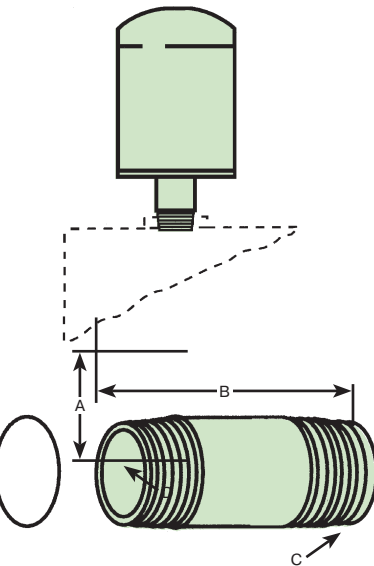
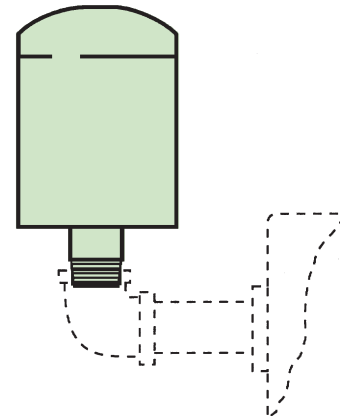
Sizing

Select the proper size canister 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).

A pipe flange, weld collar, etc. may be used to connect the adapter kit to the reservoir. Make sure that air is not able to leak around the adapter. When mounting on the side of the reservoir, make sure the installation is above the surface of the fluid.

Recommended canister 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.

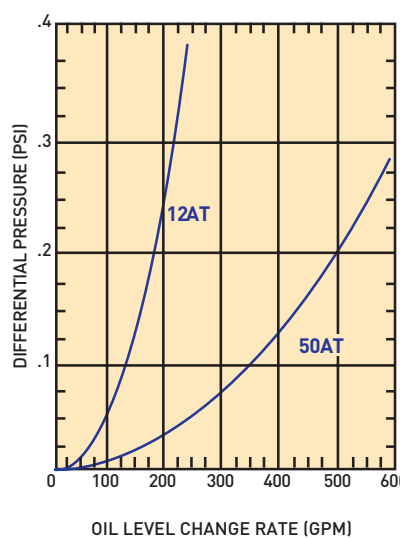
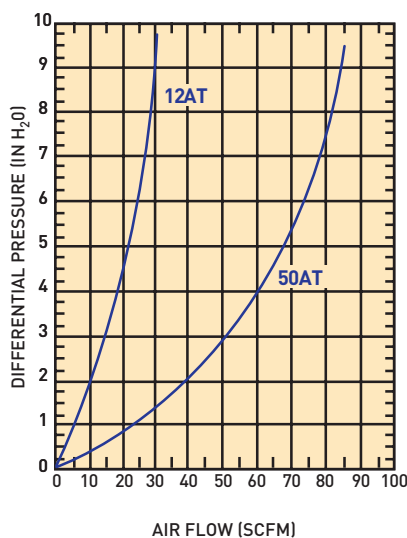
Typical Installations mounted on side or top of reservoir



Model	Air Rating*	Canister	Adapter Kit
12AT-03C	1 micron	926543	926876
12AT-10C	2 micron	921999	926876
12AT-25C	5 micron	925023	926876
50AT-03C	1 micron	926541	926875
50AT-10C	2 micron	926169	926875
50AT-25C	5 micron	926170	926875

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

Graphs are for 03C canisters only.



	12AT	50AT
PN	926876	926875
A	26.70 (1.05)	42.70 (1.66)
B	66.80 (2.63)	85.10 (3.35)
C	3/4" NPT	1-1/4" NPT
D	1"-12 UN	1-1/2"-16 UN

Allow 1.25" for canister removal clearance

Linear Measure: $\frac{\text{millimeter}}{\text{inch}}$

Reservoir Accessories

Diffusers

Specifications

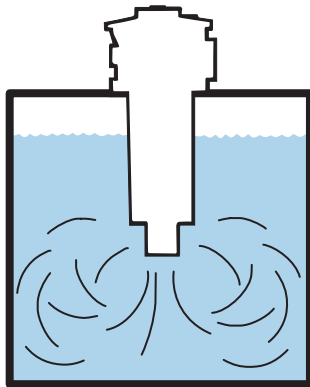
Operating Temperatures: 195°F (90°C) maximum

Materials: Body & end cap: Zintec
Head: glass-filled nylon

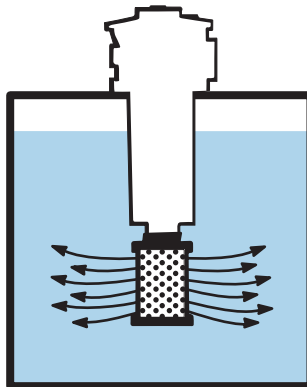
Weight: See chart below

Benefits:

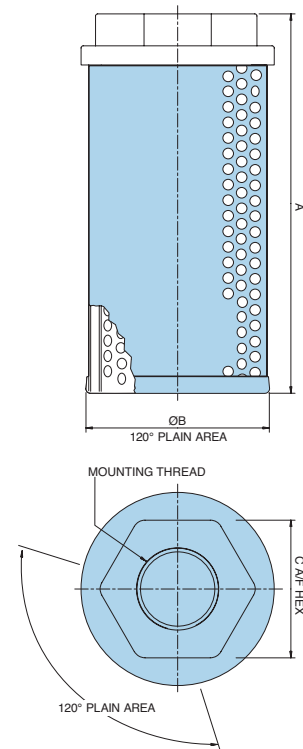
Installing a diffuser in a hydraulic reservoir is a simple change that can make a dramatic difference in system efficiency. With special concentric tubes designed with discharge holes 180° opposed, fluid aeration, foaming and reservoir noise are reduced. Pump life is also extended by reducing cavitation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



Flow without diffuser



Flow with diffuser fitted



Part Number	Thread (NPT)	Nominal Flow gpm (lpm)	Length A inch (mm)	Diameter B Inch (mm)	HEX C inch (mm)	Weight lbs (kg)
2250	3/4"	13 (50)	4.7 (120)	2.4 (62)	1.81 (46)	0.60 (0.27)
2251	1"	30 (114)	5.0 (127)	3.4 (86)	2.17 (55)	0.93 (0.42)
2252	1 1/2"	60 (227)	7.0 (178)	3.4 (86)	2.56 (65)	1.23 (0.56)
2253	2"	120 (454)	9.5 (242)	3.4 (86)	2.95 (75)	1.52 (0.69)

Reservoir Accessories

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)

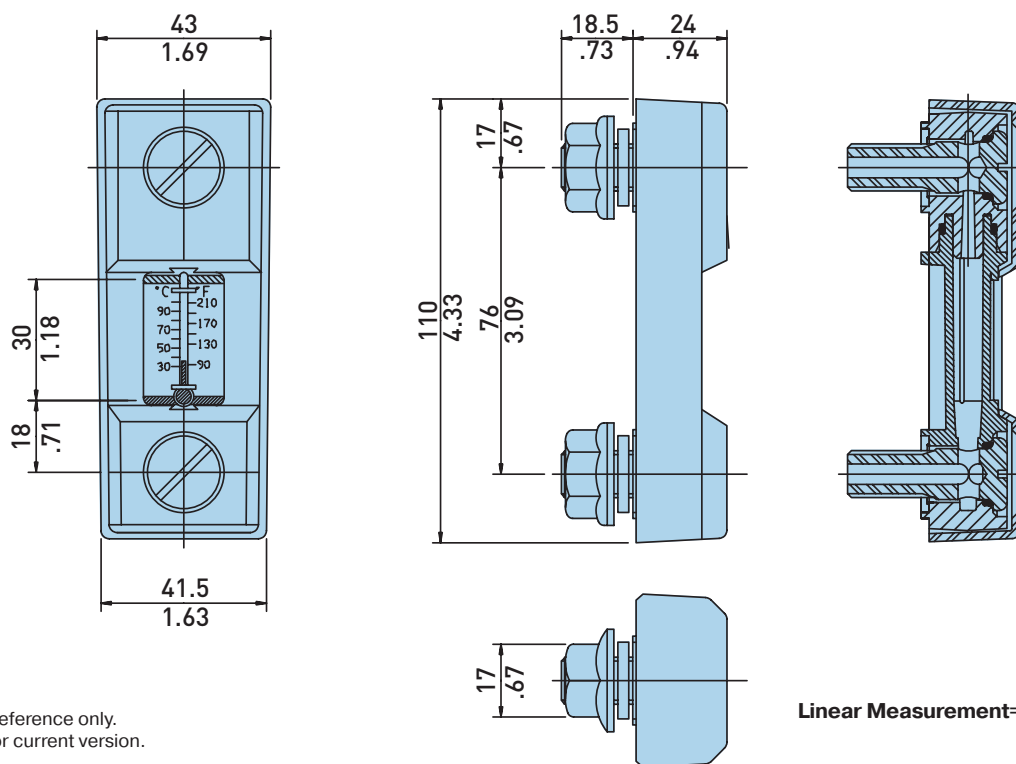
Indicator: Blue alcohol

Fluid Compatibility: Mineral and petroleum based fluids

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



Length 3



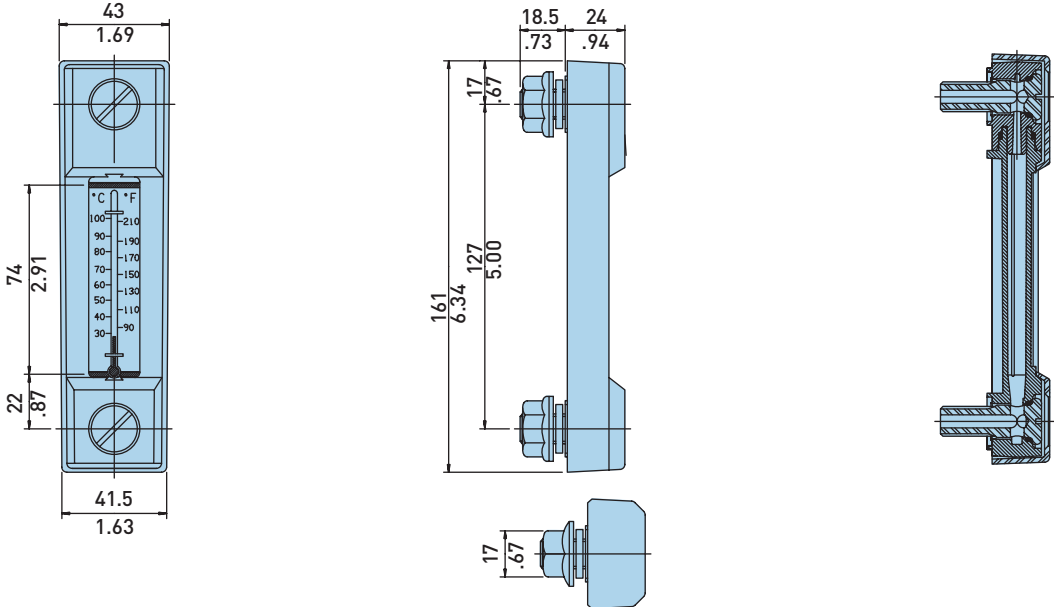
Drawings are for reference only.
Contact factory for current version.

Part Number	Thread	Length	Description
FL69121	M10	3	Fluid level and temperature
FL69221	M10	5	Fluid level and temperature
FL69321	M10	10	Fluid level and temperature

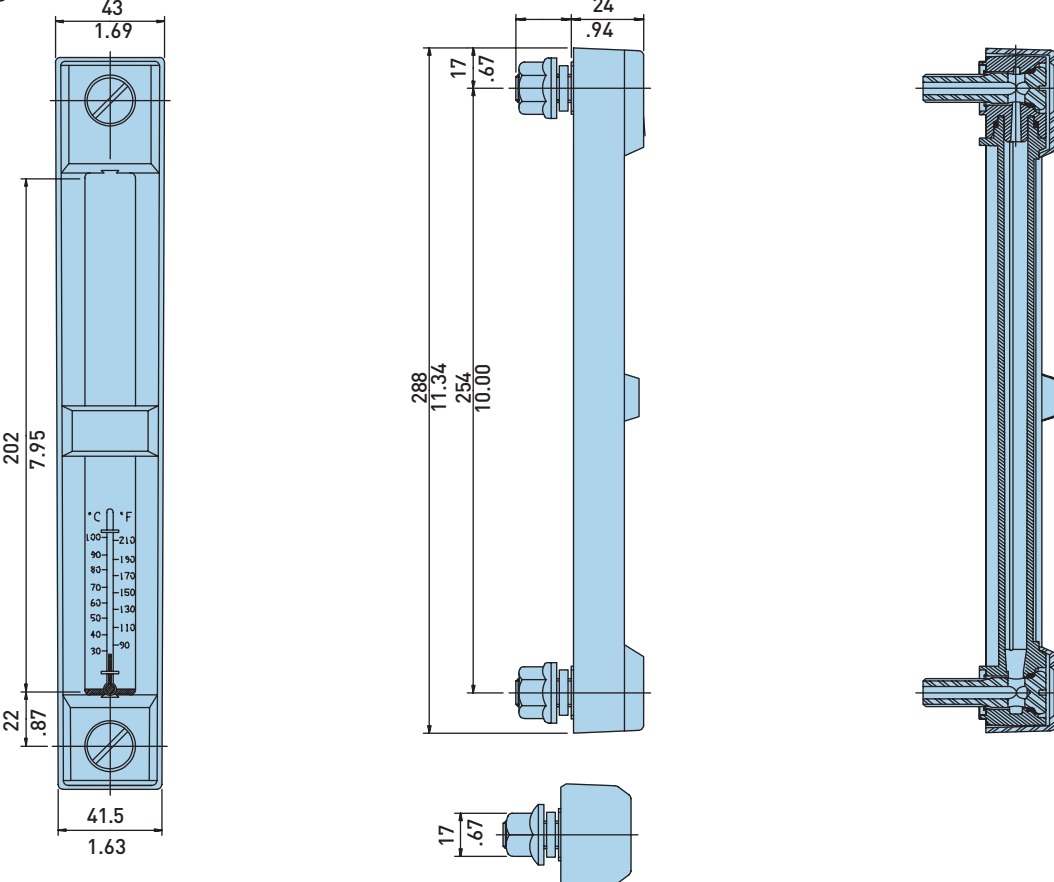
Reservoir Accessories

Fluid Level/Temperature Gauges

Length 5



Length 10



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

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

Reservoir Accessories

Suction Strainers

Specifications

Materials:

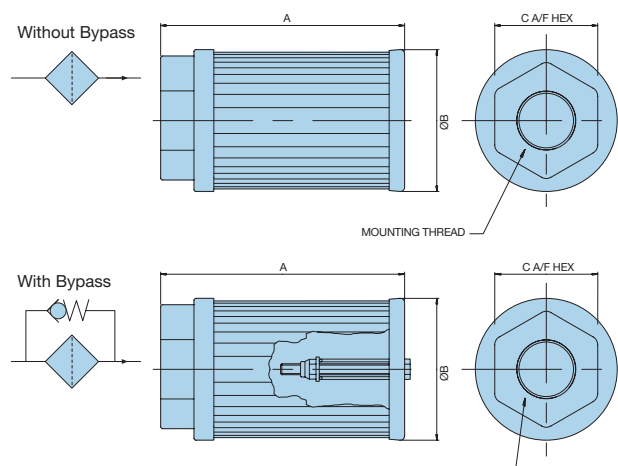
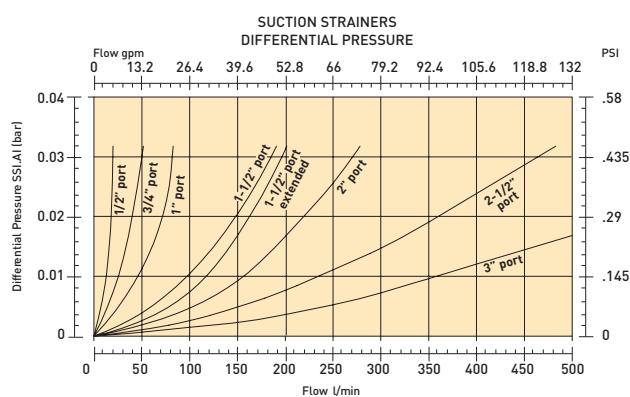
Media: Stainless steel
 Tube and endcap: Zintec
 Head: glass filled nylon

Filtration Element: 100 mesh (149 micron)

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

Bypass: None, 3 psi (0.2 bar)

Weight: See chart below



Part Number With Bypass	Bypass	Port (NPT)	Nominal Flow GPM (LPM)	Length "A" Inch (mm)	Diameter "B" Inch (mm)	BSPF Fitting
937480	No	1/2"	5 (19)	4.125 (104.8)	1.90 (48.3)	No
937481	Yes	1/2"	5 (19)	4.125 (104.8)	1.90 (48.3)	No
937482	No	3/4"	8 (30)	3.55 (90.2)	2.67 (67.8)	No
937483	Yes	3/4"	8 (30)	3.55 (90.2)	2.67 (67.8)	No
937484	No	1"	10 (38)	5.25 (133.4)	2.67 (67.8)	No
937485	Yes	1"	10 (38)	5.25 (133.4)	2.67 (67.8)	No
937488	No	1-1/2"	30 (114)	8.01 (203.5)	3.47 (88.4)	No
937489	Yes	1-1/2"	30 (114)	8.01 (203.5)	3.47 (88.4)	No
937490	No	1-1/2"	50 (189)	9.85 (250.2)	4.00 (101.6)	No
937491	Yes	1-1/2"	50 (189)	9.85 (250.2)	4.00 (101.6)	No
937492	No	2"	50 (189)	9.85 (250.2)	4.00 (101.6)	No
937493	Yes	2"	50 (189)	9.85 (250.2)	4.00 (101.6)	No
937494	No	2-1/2"	75 (284)	10.10 (256.5)	5.17 (131.3)	No
937495	Yes	2-1/2"	75 (284)	10.10 (256.5)	5.17 (131.3)	No
937496	No	3"	100 (378)	11.50 (292.1)	5.17 (131.3)	No
937497	Yes	3"	100 (378)	11.50 (292.1)	5.17 (131.3)	No

Reservoir Accessories

Magnetic Suction Strainers

Magnetic Suction Strainers

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.

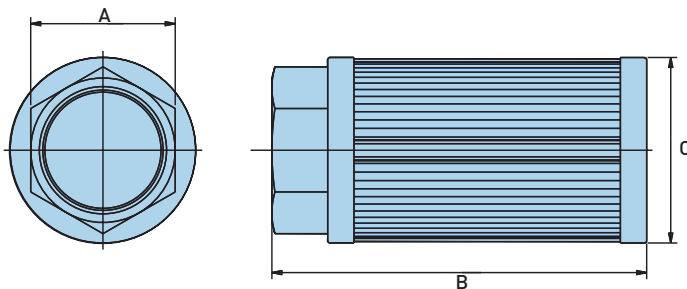
Ordering Information

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

