EAB Series
Reservoir Equipment

Typical Applications

- Agricultural machines
- Articulated dump trucks
- Forestry equipment
- Wheeled loaders
- Lubricating systems
- Excavators
- Mobile cranes
- Industrial power units

Technical Data

The filter has been designed to achieve a low pressure drop and high dirt holding capacity with airflows up to 1500 l/min. A compact EAB10 with airflows up to 1000 l/min is also available.

Construction:
Glass reinforced composite housing with Eco-element.

Filter media options:
P020: High quality polyester media. 2µm (abs).
C015: Polyester media with water-resistant layer. 1.5µm (abs)
Q010: Glass fibre media. 1.0µm (abs)

Mounting options:
With 6 screws. Includes machine and plate screws, a strainer and gaskets.
External threads G3/4", G1".
Internal thread G3/4".

Options:
Visual gauge type vacuum/pressure indicator.
Overpressure valve, pressure setting 0.2 bar.
EAB10 cannot be specified with an overpressure valve and vacuum/pressure gauge at the same time.

Advantages of the EAB filters:
Easy maintenance.
Indicator states the need for element change.
Quick and easy element change (no tools required).

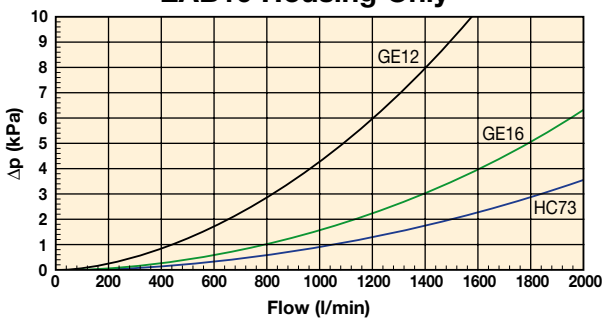
Environmentally friendly:
EAB elements contains no metal parts: therefore it can be crushed and burned minimising the volume of waste material.

Other features:
The optional indicator is located in a safe place inside the housing.
Housing includes mounting holes for a padlock, which allows you to increase the security against theft and vandalism.
Suitable for temperatures –20°C to +80°C.

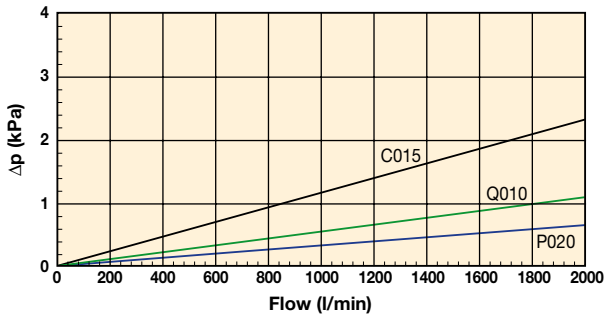
Pressure Drop Curves

Δp total = Δp housing + Δp element. The recommended level of the initial pressure drop for this filter is max 0.02 bar (2.0 kPa).

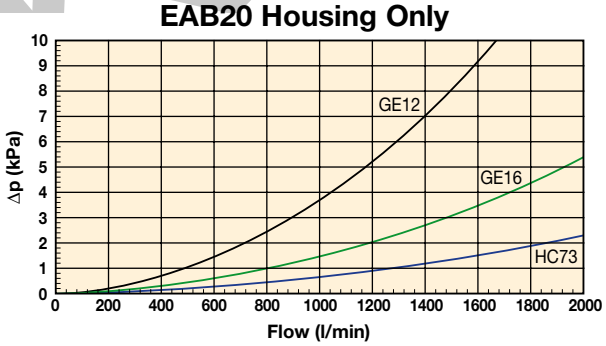
EAB10 Housing Only



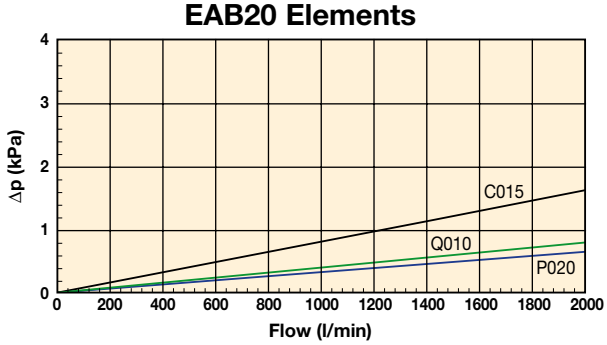
EAB10 Elements



EAB20 Housing Only



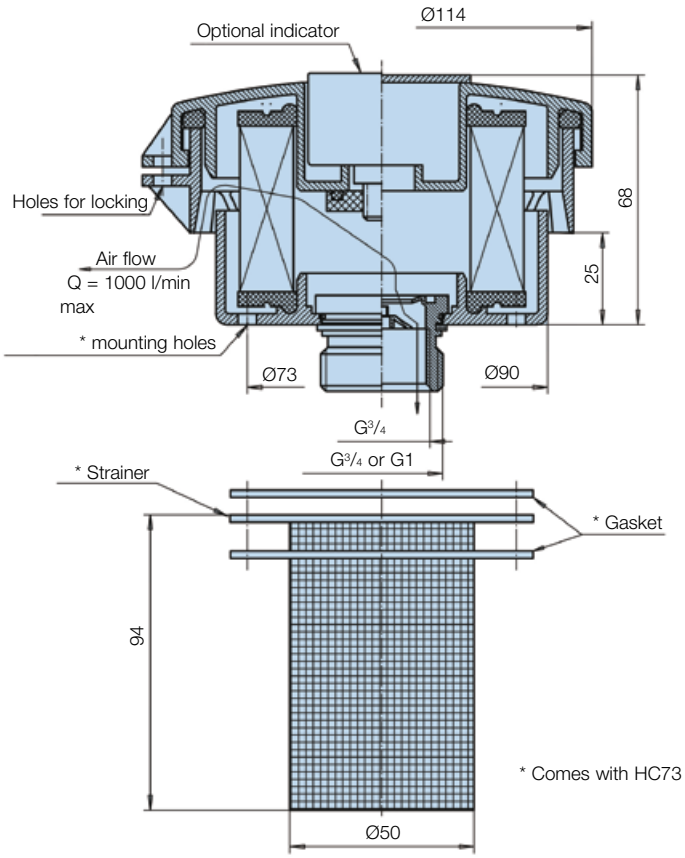
EAB20 Elements



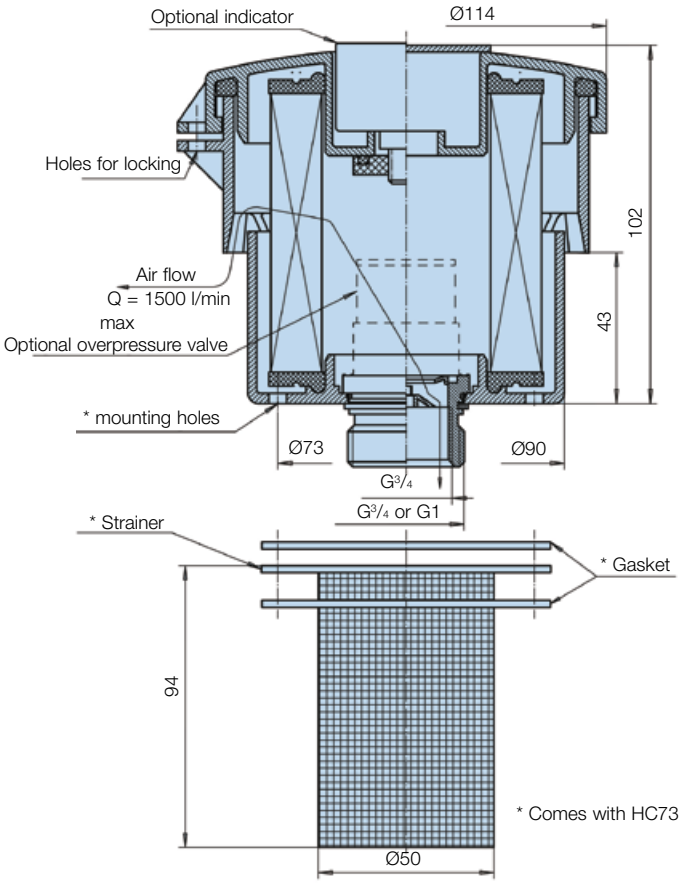
LOVAZ.CZ

Specification

EAB10

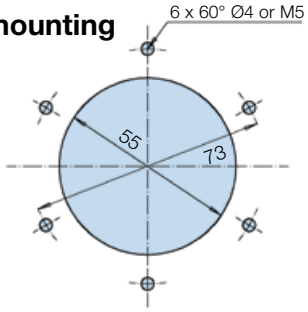


EAB20



NOTICE!
Air filters are an essential part of the system and the element needs to be replaced regularly.

6 hole fixing mounting dimensions



Mounting	Code
6 mounting holes	HC73
G1 external	GE16
G¾ external	GE12
G¾ internal and G1 external	GS12
M33 x 2 external	ME33

Note: Optional indicator scale –0.35/–0.2 to +0.2/+0.35 bar.
Note: C015 elements always come with the mounting holes where (in case the connection is not HC13) they not act as drain holes.
Note: The EAB with HC73 comes with a strainer, except when the EAB has an overpressure valve.

EAB Series
Reservoir Equipment

Ordering Information

Standard products table

Part number	Supersedes	Model	Media	Mounting	Overpressure valve	Indicator	Replacement elements
EAB20P020HC73V2	EAB20P020HC73-V2	EAB20	P020	HC73	V2		**EAC20P020**
EAB10P020HC73	N/A	EAB10	P020	HC73			**EAC10P020**
EAB20P020HC73	N/A	EAB20	P020	HC73			**EAC20P020**
EAB20P020GE16	N/A	EAB20	P020	GE16			**EAC20P020**
EAB20P020HC73A	EAB20P020HC73-A	EAB20	P020	HC73		A	**EAC20P020**

Product configurator

Product number	Media options		Mounting options		Overpressure valve options		Indicator options	
EAB20	**P020**	2µ abs polyester	**HC73**	6 hole fixing incl. strainer		No overpressure valve		No indicator
EAB10	**C015**	1.5µ abs water resistant	GE12	G¾ external thread	V2	0.2 bar	A	Vacuum/pressure gauge
	Q010	1.0µ abs glass fibre	**GE16**	G1 external thread				
			GS12	G¾ internal and G1 external thread				
			ME33	M33 x 2 external thread				

Replacement elements

Product number	Media options	
EAC20	**P020**	2µ abs polyester
EAC10	**C015**	1.5µ abs water resistant
	Q010	1.0µ abs glass fibre

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: For alternative part number options, consult Parker Filtration.

KOVAZ.CZ

ABL Series
Reservoir Equipment

Typical Applications

The Parker Filtration ABL-1 and ABL-2 Series Air Filters.

- Saw mills
- Agricultural machines
- Articulated dump trucks
- Forestry equipment
- Wheeled loaders
- Lubricating systems
- Excavators
- Industrial power units
- Mobile cranes

Technical Data

Assembly:
Tank top mounted.

Connections:
Threads G1¼ (ISO 228), 1½" (UN-16-2B).

Seal material:
Seals integrated in *LEIF*® element.

Operating temperature range:
-20° to +80°C.

Filtration media:
3 micron abs (Beta value=ß75 ≥ 3 in air).

Flow fatigue characteristics:
Filter media is supported so that the optimal fatigue life is achieved.

Vacuum indicator:
ABL-1 on request only, ABL-2 0.04 bar. Visual with latch out memory.

Breather housing:
High impact strength composite.

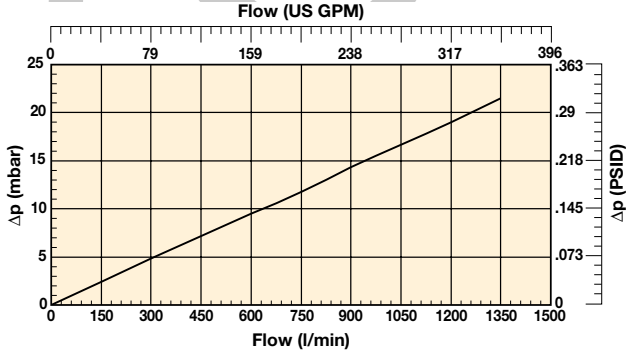
Filter element:
LEIF® element.

Options:
- Adaptor with filter connection.
- Single adaptor.
- Breather with integrated pressure relieve valve for pressurised tank on request only.

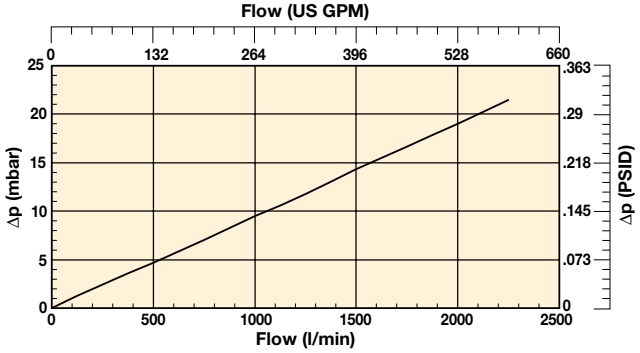
LEIF® elements can be used for hydraulic fluids and HEES type fluids only. For other fluids contact Parker Filtration.

Pressure Drop Curves

ABL1



ABL2

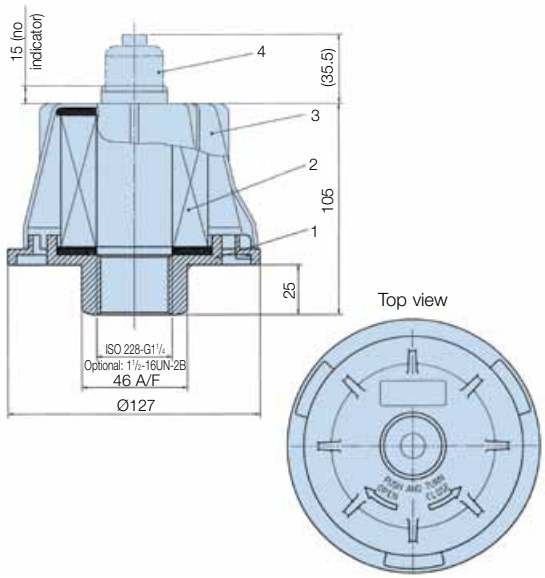


Parker Hannifin
Hydraulic Filter Division Europe
FDHB500UK/Reservoir

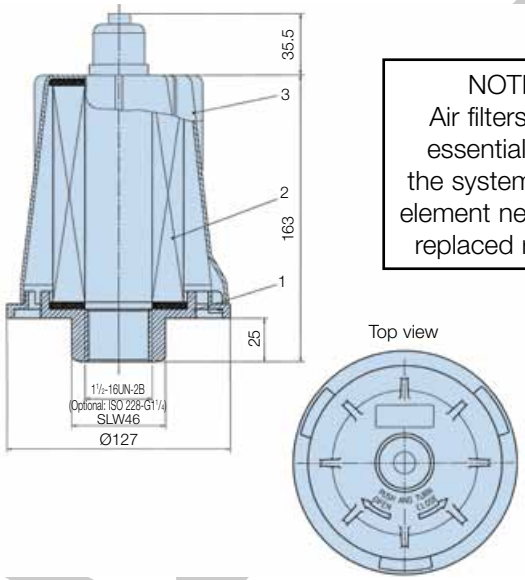
ABL Series
Reservoir Equipment

Specification

ABL-1



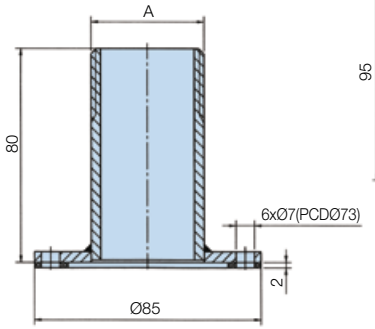
ABL-2



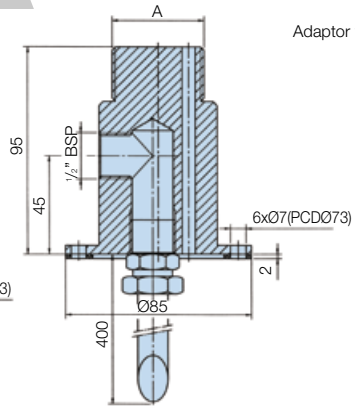
NOTICE!
Air filters are an essential part of the system and the element needs to be replaced regularly.

Extensions and filling mounting adaptors

Adaptor single



Adaptor with filler connection



KCA

Parker Hannifin
Hydraulic Filter Division Europe
FDHB500UK/Reservoir

Ordering Information

Standard products table

Part number	Supersedes	Replacement elements
ABL1G114QXWL3	ABL1-G1¼-QXWL-3	**QXWL3**
ABL2G114QXWL13V	ABL2-G1¼-QXWL-1-3-V	**QXWL13**
ABL2U112QXWL13V	ABL2-U1½-QXWL-1-3-V	**QXWL13**
ADAPTOR ABLG114FP	ADAPTOR-ABL-G1¼-FP	**-**

Product configurator – Air Breather

Product number		Mounting options		Filtration (3µm)		Indicators		Options	
ABL1	1000 l/min	**G114**	ISO 228 - G1¼ (BSP)	**QXWL3**	ABL1 Only		None		None
ABL2	2000 l/min	**U112**	1½ UN-16-2B	**QXWL13**	ABL2 Only	**V**	Visual	SNG	Single adaptor
								FP	Adaptor With Filler Connection

Product configurator – Adaptor

Product number	Mounting options		Options	
Adaptor ABL	**G114**	ISO 228 - G1¼ (BSP)	**SNG**	Single Adaptor
			FP	Adaptor With Filler Connection

Replacement elements

Part number	Supersedes	Description
QXWL3	QXWL-3	3µ
QXWL13	QXWL1-3	3µ

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

KOVAZ.CZ

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.

Contact Information:

Parker Hannifin
Hydraulic Filter Division Europe

European Product Information Centre
Freephone: 00800 27 27 5374
(from AT, BE, CH, CZ, DE, EE, ES, FI, FR, IE, IT, PT, SE, SK, UK)
filtrationinfo@parker.com

www.parker.com/hfde

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.

KOVASZ

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:

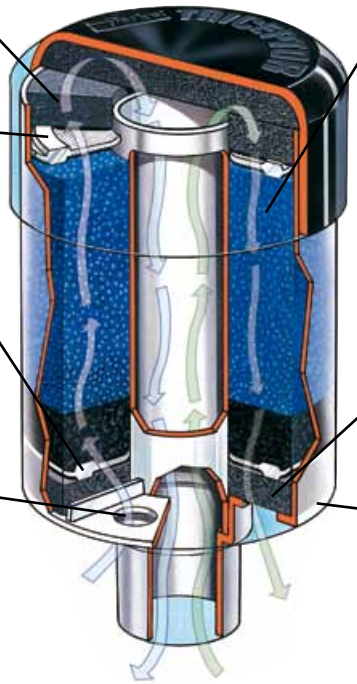
934330T	.57 kg (1.25 lbs.) each.
934331T	.79 kg (1.75 lbs.) each.
934332T	1.02 kg (2.25 lbs.) each.

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.

KOVAZ.CZ

Triceptor
Desiccant Type Breather

Installation

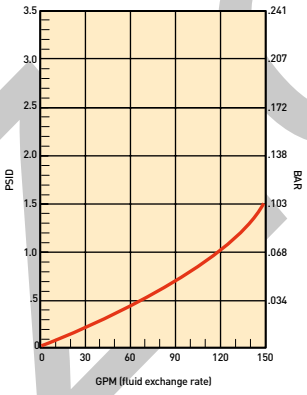
Triceptor breathers are designed for simple installation on most equipment, regardless of mounting connection. Since TriCeptor breathers are disposable, the threaded connection allows for quick and easy maintenance. Several mounting adapters (shown below) are available to provide the desired mounting.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

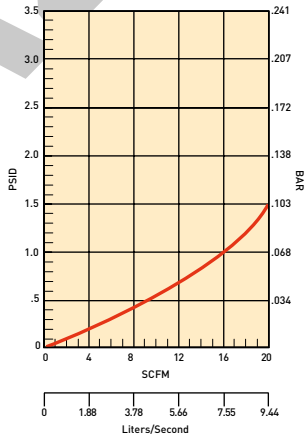
1. Remove from protective plastic wrap.
2. Remove 25mm blue cap from standpipe.
3. Remove foil label to expose the necessary amount of air intake holes.
4. Twist Triceptor into mounting adapter.

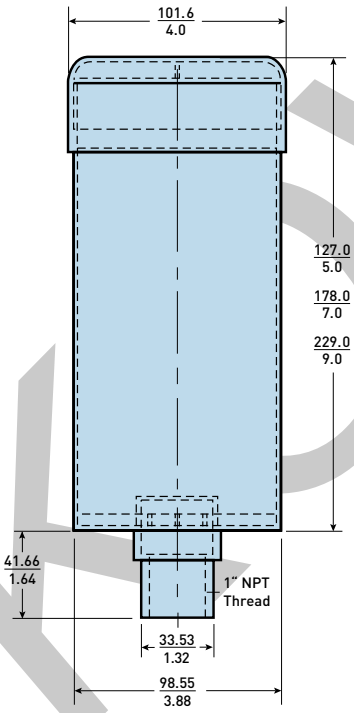
Servicing the Triceptor breather is also very easy. When the silica gel changes colour from blue to a pink, the breather is no longer active and needs to be replaced. Simply remove the unit and discard properly.

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.

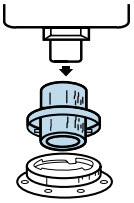




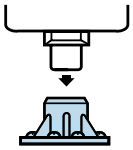


Note: Triceptor breathers comply with European REACH regulations

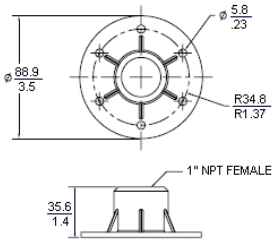
Linear Measurement= mm / in



Flange Adapter



Field Adapter



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.

KOVAKCZ

IP65 Rated Filler Breathers

Reservoir Equipment

Specification for Single and 6 Hole Installation

Option 1

Construction:
Moulded in non-corrodible glass-filled nylon combining strength with a lightweight design.

Options:
(1) single (63mm dia) hole
Filler breather installation that eliminates drilled and tapped holes using self-locking clamps.
(2) 6 hole
Filler Breather Installation that uses 6 x No 10 thread forming screws.
(3) 3 hole filler breather
utilises 3 x zinc and clear chromate plated steel screws.

Strainers:
Unique design diffuses oil flow into the reservoir.
(1) Single length in polypropylene (95mm length)
(2) 2-piece telescopic in polypropylene (195mm length max.)

Filtration element:
Expanded polyurethane foam, 10 micron Absolute.

Seals:
Nitrile.

Working temperature:
-30°C to +90°C.

Pressurised filler breathers:
Available in 3 pressure options to maintain a positive pressure in a reservoir.

Pressurisation options:
0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation valve:
Nylon/Nitrile.

Dipstick:
Available for use with options 1 and 2. Dipsticks are available in 2 lengths and in packs of 10.

Dipstick material:
ABS.

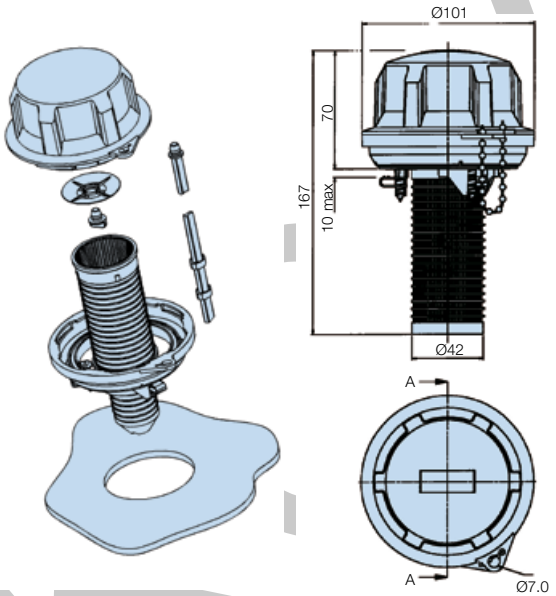
Hi/Lo indicators:
Acetal. Adjustable Red/Green level indicators.

Dipstick lengths:
200mm and 400mm.

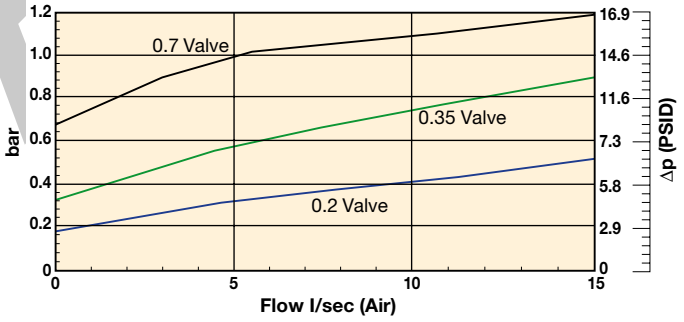
Breather weight:
0.2Kg.

Anti-splash feature:
The unique design anti-splash feature is standard on all options 1 and 2 and allows for a dipstick to be fitted if required.

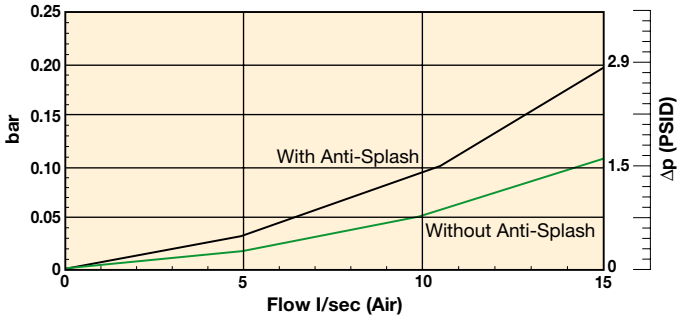
Option 1 Filler Breathers (Single Hole Installation)



AB98XXX Pressurised Pressure Drop Curves



AB98XXX Non-Pressurised Pressure Drop Curves



Option 1. Single Hole Filler Breathers – Pressurised

Part number	Supersedes	Description 10µ abs.
AB98212011	AB.98212011.UC	Pressurised 0.2bar with 95mm strainer
AB98213011	AB.98213011.UC	Pressurised 0.35bar with 95mm strainer
AB98212001	AB.98212001.UC	Pressurised 0.2bar without strainer
AB98212021	AB.98212021.UC	Pressurised 0.2bar with telescopic strainer
AB98213001	AB.98213001.UC	Pressurised 0.35bar without strainer
AB98213021	AB.98213021.UC	Pressurised 0.35bar with telescopic strainer
AB98217001	AB.98217001.UC	Pressurised 0.7bar without strainer
AB98217011	AB.98217011.UC	Pressurised 0.7bar with 95mm strainer
AB98217021	AB.98217021.UC	Pressurised 0.7bar with telescopic strainer

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Option 1. Single Hole Filler Breathers – Non-Pressurised

Part number	Supersedes	Description 10µ abs.
AB98210011	AB.98210011.UC	Filler breather with 95mm strainer
AB98210021	AB.98210021.UC	Filler breather with telescopic strainer
AB98210001	AB.98210001.UC	Filler breather without strainer

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Filler Breathers (6 Hole Installation)

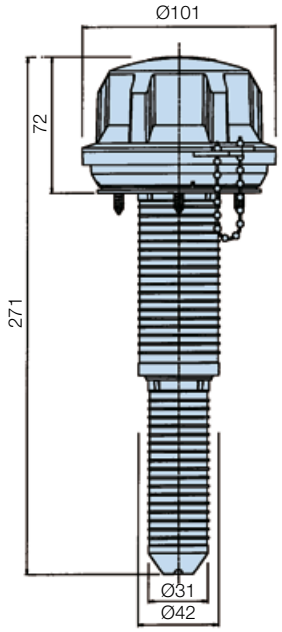
Option 2

Note 1. Un-pressurised 6 hole fixing:

Form 6 off tank mounting holes between Ø4.0 and 4.4mm (dependent on the material and thickness – see guide below) equispaced on 70-73mm P.C.D. to suit supplied No.10 thread forming screws.

Note 2. Pressurised 6-hole fixing:

Form 6 off tank mounting holes between Ø4.0 and Ø4.4mm (dependent on the material and thickness – see guide below) equispaced on 73mm P.C.D. to suit supplied No.10 thread forming screws.

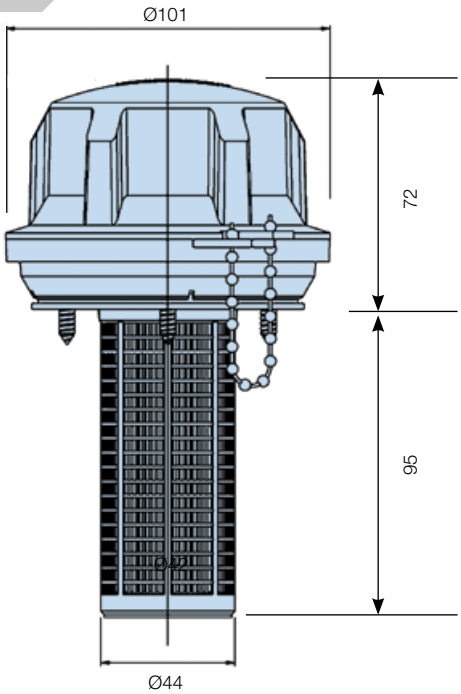


Telescopic Strainer

The telescopic strainer design is ideal, where reservoir depth allows, to increase the surface area of the strainer, improving still further its straining ability, oil flow-through and allowing for longer dipstick lengths.

Note 3. Reservoir mounting guide

Sheet thickness mm	Hole size mm
1.2	4.0
2.0	4.10
3.15	4.30
4.0	4.30
5.0	4.40



Option 2. 6 Hole Filler Breathers – Pressurised

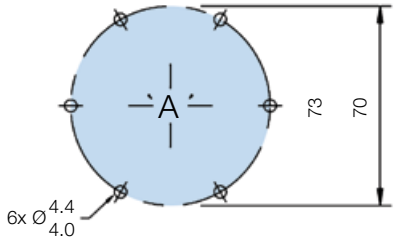
Part number	Supersedes	Description 10µ abs
AB98817011	AB.98817011.UC	Pressurised 0.7bar with 95mm strainer
AB98812001	AB.98812001.UC	Pressurised 0.2bar without strainer
AB98812011	AB.98812011.UC	Pressurised 0.2bar with 95mm strainer
AB98812021	AB.98812021.UC	Pressurised 0.2bar with telescopic strainer
AB98813001	AB.98813001.UC	Pressurised 0.35bar without strainer
AB98813011	AB.98813011.UC	Pressurised 0.35bar with 95mm strainer
AB98813021	AB.98813021.UC	Pressurised 0.35bar with telescopic strainer
AB98817001	AB.98817001.UC	Pressurised 0.7bar without strainer
AB98817021	AB.98817021.UC	Pressurised 0.7bar with telescopic strainer

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Option 2. 6 Hole Filler Breathers – Non-Pressurised

Part number	Supersedes	Description 10µ abs
AB98810001	AB.98810001.UC	Filler breather without strainer
AB98810011	AB.98810011.UC	Filler breather with 95mm strainer
AB98810021	AB.98810021.UC	Filler breather with telescopic strainer

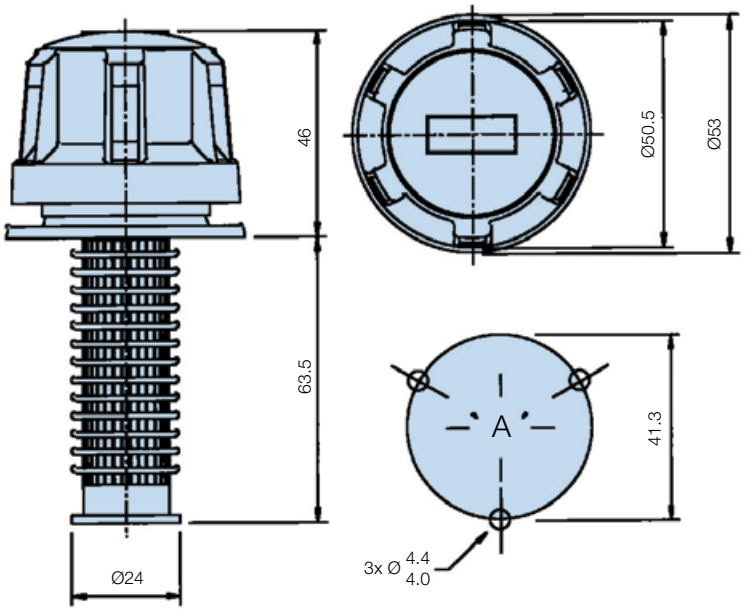
Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.



HYVAZ.CZ

Filler Breathers
Reservoir Equipment

Option 3 Filler Breathers (3 Hole Installation)



Note: Form 3 off tank mounting holes between Ø4.0 and Ø4.4mm (dependent on the material and thickness – see chart for guide) equispaced on 41.3 P.C.D. to suit No. 10 thread forming screws supplied.

New Options Fully Tested

As part of the design development programme for the new IP65 Filler Breathers, extensive performance and endurance testing was carried out to ensure durability and efficiency.

3-hole Filler Breathers (6-hole available)

Part number	Description 10µ abs
AB68110	Filler breather without strainer
AB68118	Filler breather with 95mm strainer

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.
Note 3: Not suitable for use with B.68206/207
Note 4: 6-hole AB.68910/AB.68918 option available.

Dipstick Options

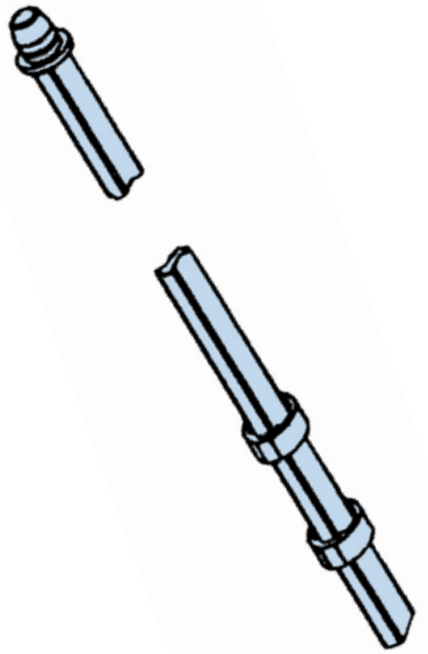
Dipstick Ordering

Part number	Supersedes	Description
B68206	DIP.206	10 x 200mm Dipsticks
B68207	DIP.207	10 x 400mm Dipsticks

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Dipsticks

The dipstick, available in 2 lengths – 200mm and 400mm, can be cut to the required length or left as it is and the Hi/Lo indicators moved and positioned on the dipstick itself by squeezing the sides of the indicator and repositioning along the dipstick.



KOVAI

Screw-On Type Air Breathers

Reservoir Equipment

Standard Screw-On Breathers - Specification

Option 1– G1/2 and G3/4 (Ø101)

Construction:
Moulded in non-corrodible glass-filled nylon combining strength with a lightweight design.

Option 1:
2 screw on type air breathers are available – G1/2 or G3/4 threaded base models.

Filtration element:
Expanded polyurethane foam, 10 micron absolute.

Seals:
Nitrile.

Working temperature:
-30°C to +90°C.

Pressurised air breathers:
Available in 3 pressure options to maintain a positive pressure in a reservoir.

Pressurisation options:
0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation valve:
Nylon/Nitrile.

Dipstick:
Available for use with all options. Dipsticks are available in 2 lengths and in packs of 10.

Dipstick material:
ABS.

Hi/Lo indicators:
Acetal. Adjustable red/green level indicators.

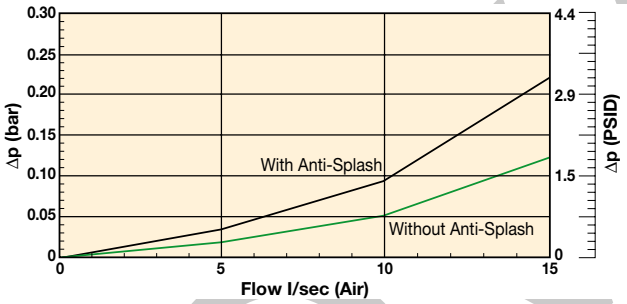
Dipstick lengths:
200mm and 400mm.

Breather weight:
0.2Kg.

Anti-splash feature:
The unique design anti-splash feature is standard on option 1 and allows for a dipstick to be fitted if required.

Pressure Drop Flow Curve

AB98XXX Screw-on Non-Pressurised Pressure Drop Curves

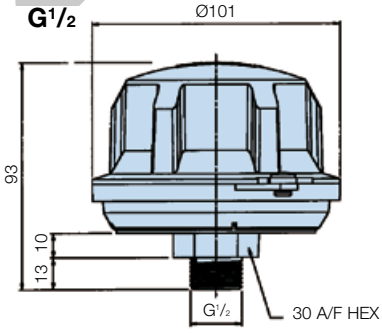


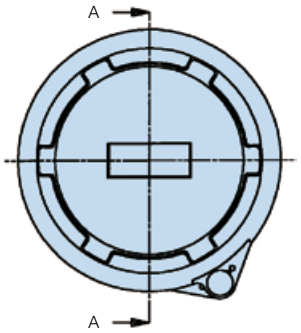
Note: For pressure drop information on the Option 1. Pressurised consult Parker Filtration.

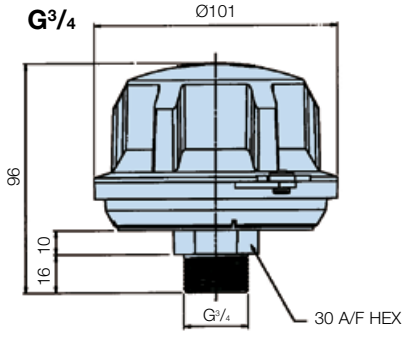
Option 1 – G1/2 or G3/4

Part number	Supersedes	Description 10µ nom Abs.
AB98610101	AB.98610101.UC	G1/2 Un-pressurised
AB98612101	AB.98612101.UC	G1/2 pressurised 0.2 bar
AB98613101	AB.98613101.UC	G1/2 pressurised 0.35 bar
AB98617101	AB.98617101.UC	G1/2 pressurised 0.7 bar
AB98410101	AB.98410101.UC	G3/4 Un-pressurised
AB98412101	AB.98412101.UC	G3/4 pressurised 0.2 bar
AB98413101	AB.98413101.UC	G3/4 pressurised 0.35 bar
AB98417101	AB.98417101.UC	G3/4 pressurised 0.7 bar

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.







TOPAZ.CZ

Screw-On Type Air Breathers

Reservoir Equipment

Compact Screw-On Breathers - Specification

Option 2 – G1/4, G3/8, R1/2 and R3/4 (Ø40)

Construction:
G1/4, G3/8, R1/2 and R3/4 cap and base plate mouldings in nylon 66.

Element:
Expanded Polyurethane foam, 10 micron absolute.

Dipstick:
Available for use with R1/2 and R3/4.

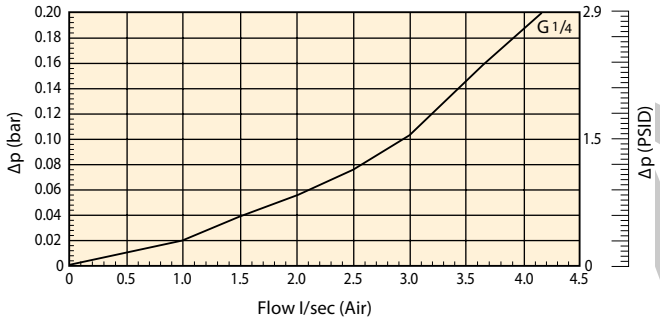
Dipstick material:
ABS.

Hi/Lo indicators:
Acetal adjustable red/green level indicators.

Dipstick lengths:
200mm and 400mm (packs of 10).

Breather weights:
0.028Kg

Pressure Drop Flow Curve



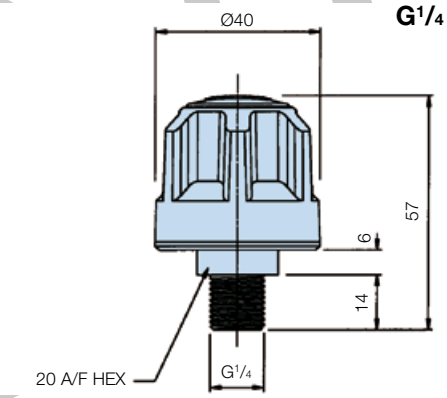
Note: For pressure drop information on G3/8, R1/2 and R3/4, consult Parker Filtration.

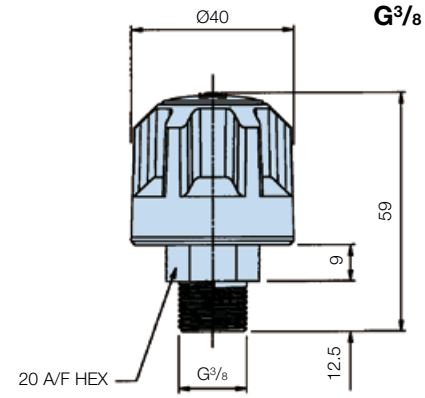
Ordering Information

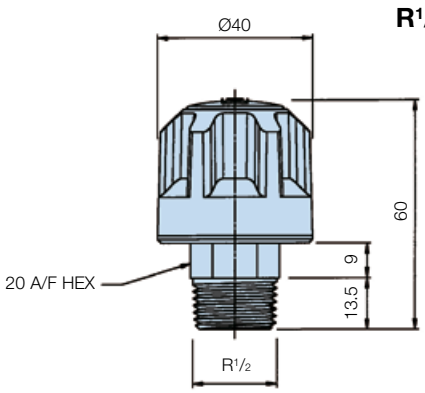
Option 2 – G1/4, G3/8, R1/2 and R3/4 (Packs of 10 only)

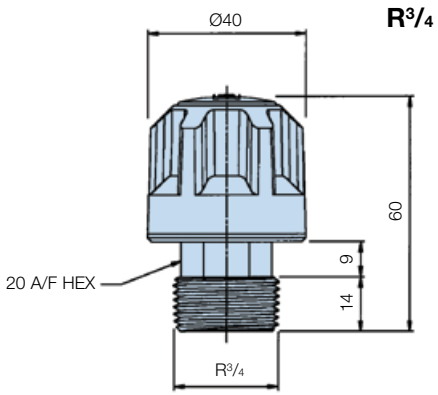
Part number	Supersedes	Description 10µ abs
AB683101	AB.683101.UC	G1/4 Un-pressurised
AB68X101	AB.68X101.UC	G3/8 Un-pressurised
AB68Y101	AB.68Y101.UC	R1/2 Un-pressurised
AB68Z101	AB.68Z101.UC	R3/4 Un-pressurised

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.









KCAZ.CZ

Screw-On Type Air Breathers - Specification

Option 3 – G3/8, G1/2 and G3/4 (Ø70)

Construction:
Mouldings in glass-filled nylon and glass coupled polypropylene.

Element:
Expanded Polyurethane foam, 10 micron absolute.

Seals:
Nitrile.

Pressurised air breathers:
Available G3/8, G1/2 and G3/4,
3 pressure options to maintain a positive pressure in a reservoir.

Pressurisation options:
0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation valve:
Nylon.

Dipstick:
Available for use with G3/8, G1/2 and G3/4.

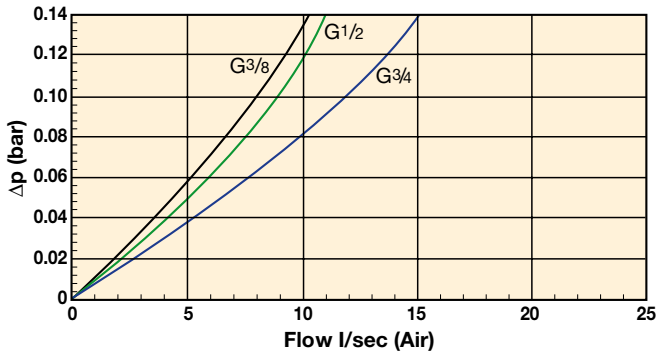
Dipstick material:
Mini-series in brass.

Hi/Lo indicators:
Acetal adjustable red/green level indicators.

Dipstick lengths:
200mm and 400mm (packs of 10).

Breather weights:
0.075Kg, Mini-series – 0.019Kg.

Pressure Drop Flow Curve



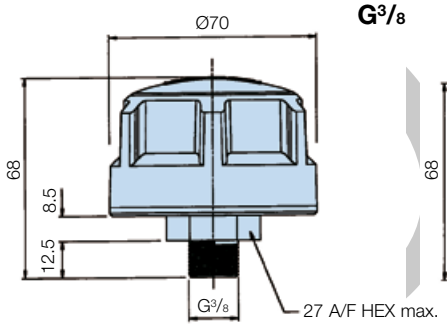
Ordering Information

Option 3 – G3/8, G1/2 and G3/4

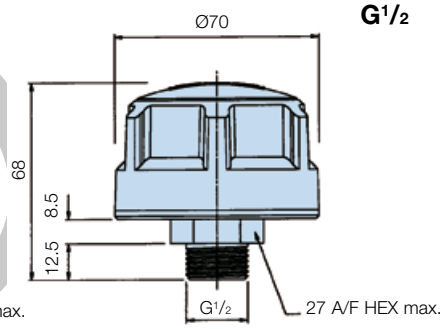
Part number	Supersedes	Description 10µ abs
AB685101	SAB.5101	G3/8 Un-pressurised
AB687101	SAB.7101	G3/4 Un-pressurised
AB686101	SAB.6101	G1/2 Un-pressurised

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

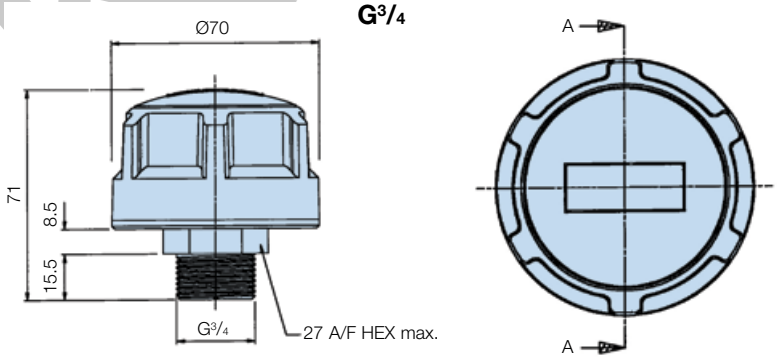
G3/8



G1/2



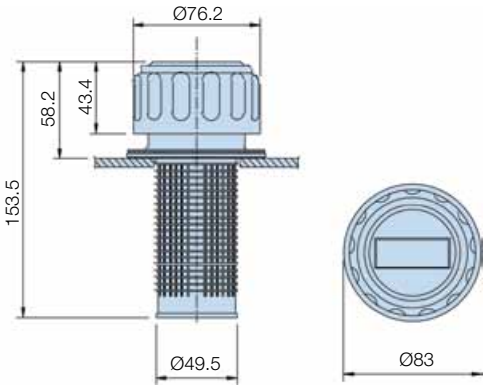
G3/4



Filler Breathers (Metal)

Reservoir Equipment

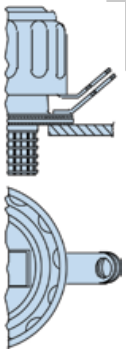
Metal Airbreather/Filler breather Specification



Note: Dimensions relate to 1163 and 1730 options.
Note: Max. operating temperature = +90°C.

Locking lug option (5561)

For added security, certain Parker Filtration Metal Filler Breather Filters can be specified with a locking lug option.



Ordering Information

Standard products table

Part number	Supersedes	Replacement cap	Supersedes	Displacement l/min	Crack pressure	Micron rating	Air flow m^3/min	Thread	Weight
Threaded airbreather (unpressurised)									
SAB156210	SAB.1562.10	N/A	N/A	430	N/A	10µ abs	0.45	G¾	0.20kg
SAB156310	SAB.1563.10	N/A	N/A	135	N/A	10µ abs	0.15	G¼	0.06kg
Filler breather - filter flange type (unpressurised)									
AB116310	AB.1163.10	CAP.116310	CAP.1163.10	430	N/A	10µ abs	0.45	N/A	0.24kg
AB138010	AB.1380.10	CAP.138010	CAP.1380.10	135	N/A	10µ abs	0.15	N/A	0.08kg
5561	N/A	N/A	N/A	430	N/A	10µ abs	0.45	N/A	0.24kg
Filler breather - filter flange type (pressurised)									
PAB1730105	PAB.1730.10.5	CAP.1730105	CAP.1730.10.5	430	0.35 bar	10µ abs	0.45	N/A	0.27kg
PAB17301010	PAB.1730.10.10	CAP.17301010	CAP.1730.10.10	430	0.70 bar	10µ abs	0.45	N/A	0.27kg
Air breather - threaded type (pressurised)									
SPA1731105	SPA.1731.10.5	N/A	N/A	430	0.35 bar	10µ abs	0.45	G¾	0.20kg
SPA17311010	SPA.1731.10.10	N/A	N/A	430	0.70 bar	10µ abs	0.45	G¾	0.20kg

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

KOMATSU

1731 - (Pressurised) - 1562 (Un-pressurised) - Threaded type

Displacement:
430 l/min.

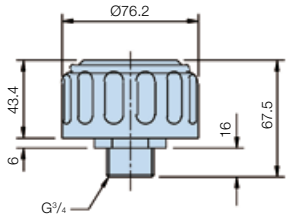
Micron rating:
10µ abs

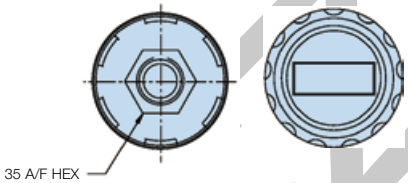
Air flow:
0.45m³/min.

Weight:
0.2 Kg.

Thread:
G¾.

Valve crack-pressure 1731:
0.35 and
0.7 bar.





1563 - Threaded type (Un-pressurised)

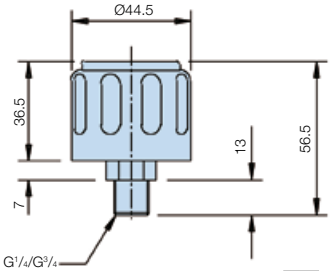
Displacement:
1562 = 430 l/min.
1563 = 135 l/min.

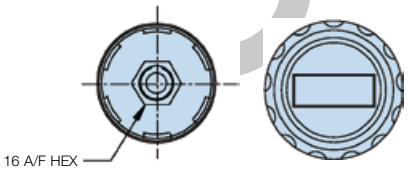
Micron rating:
10µ abs

Air flow:
1562 = 0.45m³/min.
1563 = 0.15m³/min.

Weight:
1562 = 0.20 Kg.
1563 = 0.06 Kg.

Thread:
1562 = G¾.
1563 = G¼.





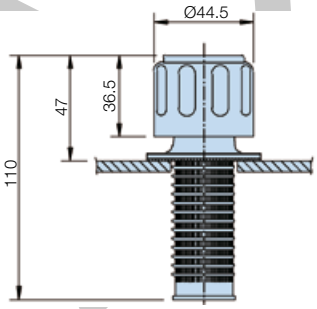
1380 - Filter flange type

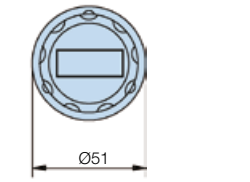
Displacement:
135 l/min.

Micron rating:
10µ abs

Air flow:
0.15m³/min.

Weight:
0.08 Kg.





Note: Tank hole diameter = 30mm.
Funnel diameter = 28mm.

Tank installation notes

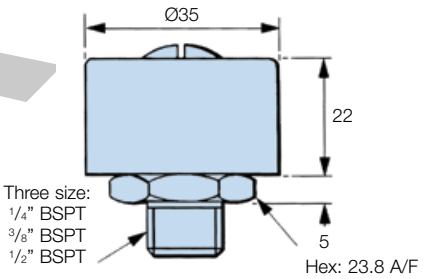
1. Un-pressurised 6 hole fixing (Type 1163)
Form off tank mounting holes between Ø4.0 and Ø4.4 (dependant on the material and thickness, consult Parker Filtration) equispaced on 70.0-73.0 P.C.D. to suit
No. 10 thread forming screws supplied.

2. Pressurised 6 hole fixing (Type 1730)
Form 6 off mounting holes between Ø4.0 and Ø4.4 equispaced on 73.0 P.C.D. to suit
No. 10 thread forming screws supplied.

3. Un-pressurised 3 hole fixing (Type 1380)
Form 3 off tank mounting holes between Ø5.25 – 5.35 mm equispaced on 41.3 P.C.D. to suit
No. 10 thread forming screws supplied.

Breather Units

Small Breather Specification



Ordering Information

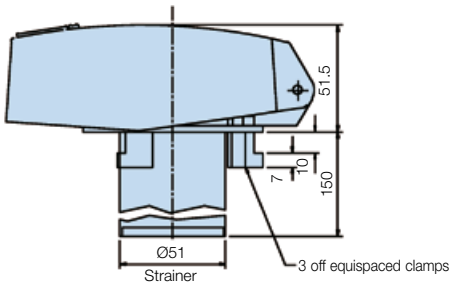
Part number	Supersedes	Description
H00279001	H00279-001	Small breather ¼ BSPT thread
H00279002	H00279-002	Small breather ⅜ BSPT thread
H00279003	H00279-003	Small breather ½ BSPT thread

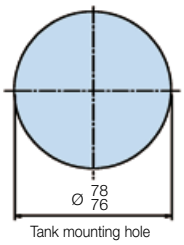
Lockable Filler Breather

Reservoir Equipment

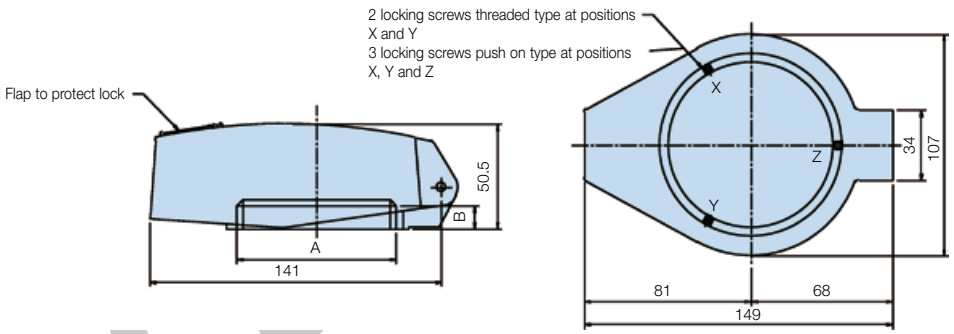
Installation Details

Tank Mounting



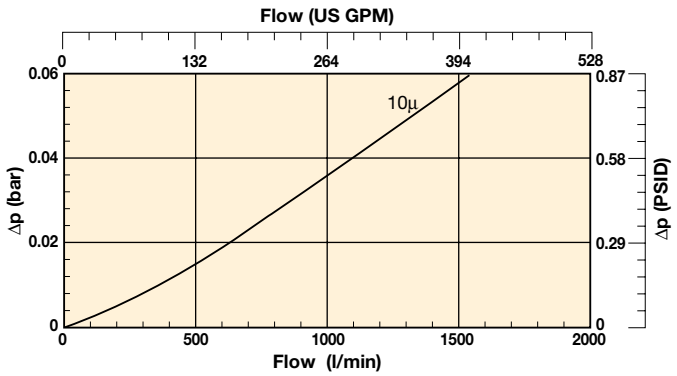


Stand Pipe Mounting



Lockable Filler Breather Selection

Total assembly pressure drop flow curve – 10µ elements



Ordering Information

Part number	Description
LFC622142	Non-breathing (No element) Clamp mounting with strainer
LFC622212	10µ nom element, G2 thread with strainer
LFC622242	10µ nom element, clamp mounting with strainer
LFC622432	10µ nom vented (air in) push on mounting with strainer
LFC622122	Non-breathing (No element) 2½" BSP thread with strainer
LFC622222	10µ nom element, G2½ thread with strainer
LFC622411	10µ nom vented (air in) G2 thread without strainer

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Spin-On Air Breathers

Reservoir Equipment

High capacity air breathers

Ideal for high flow heavy contamination systems

Spin-on air filters for tank mounted breathing solutions offer high capacity, disposable air breathers to remove airborne contamination. 2 x 5 micron models are available – 700 l/min and 1500 l/min ideal for high flow heavy contamination systems.

Contact Information:

Parker Hannifin
Hydraulic Filter Division Europe

European Product Information Centre
Freephone: 00800 27 27 5374
(from AT, BE, CH, CZ, DE, EE, ES, FI, FR, IE, IT, PT, SE, SK, UK)
filtrationinfo@parker.com

www.parker.com/hfde

Product Features:

- High capacity air breathers to remove airborne contamination.
- Disposable, 5 micron nominal quality elements.
- Models – 700, 1500, 1700 and 3000 l/min.
- Ideal for high flow heavy contamination systems.

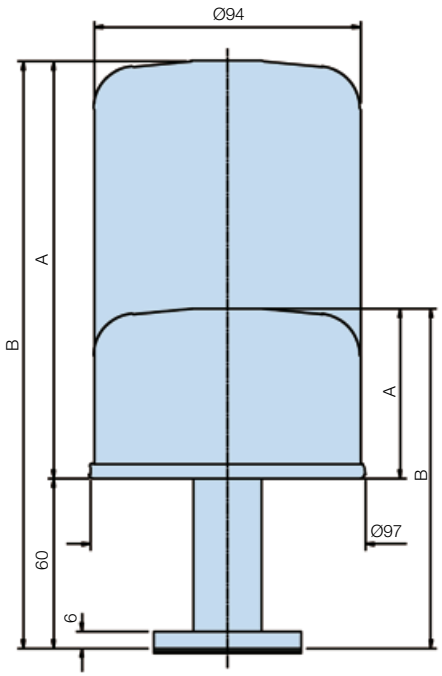
VOVEZ

Spin-On Air Breathers

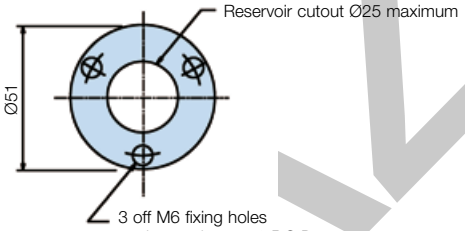
Reservoir Equipment

Specification

- High capacity air breathers designed for the removal of airborne contamination in hydraulic systems to support environmental maintenance.
- Ideal for high flow systems and heavily contaminated environments.
- Disposable spin-on elements quickly and easily replaced.
- 5 micron nominal quality filtration elements.
- 2 models available – 700 l/min and 1500 l/min.
- Available with a pressurised valve in the mounting adaptor.

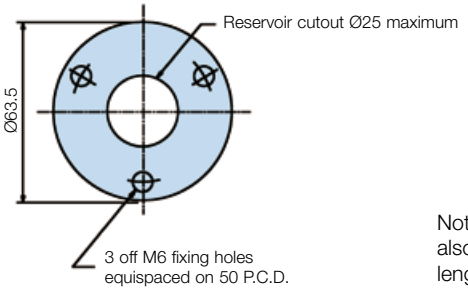


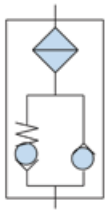
Standard spin-on air breather stem



Circuit symbol
(standard)

Pressurised spin-on air breather stem





Circuit symbol
(pressurised)

Note: Spin-on air breather elements can also be mounted directly on to any suitable length of 3/4" BSP threaded pipe.

Ordering Information

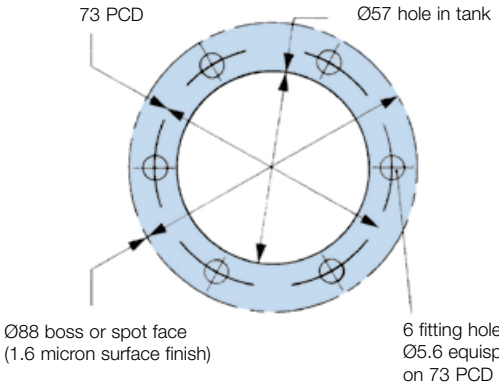
5µ Spin-on air breathers

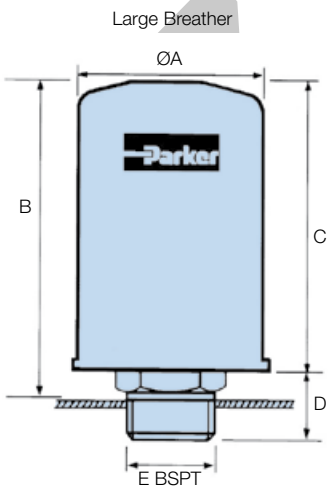
Part number	Supersedes	Air flow	Valve crack pressure	A mm	B mm	Weight	Replacement element
S340056	N/A	700 l/min	Unpressurised	60	120	0.6Kg	**4930**
S340052	N/A	1500 l/min	Unpressurised	148	208	0.75Kg	**588410**
S340058	*S.340058	700 l/min	0.35 Bar	60	120	0.69Kg	**4930**
S340059	**S.340059	700 l/min	0.70 Bar	60	120	0.69Kg	**4930**
S340054	*S.340054	1500 l/min	0.35 Bar	148	208	0.8Kg	**588410**
S340055	**S.340055	1500 l/min	0.70 Bar	148	208	0.8Kg	**588410**

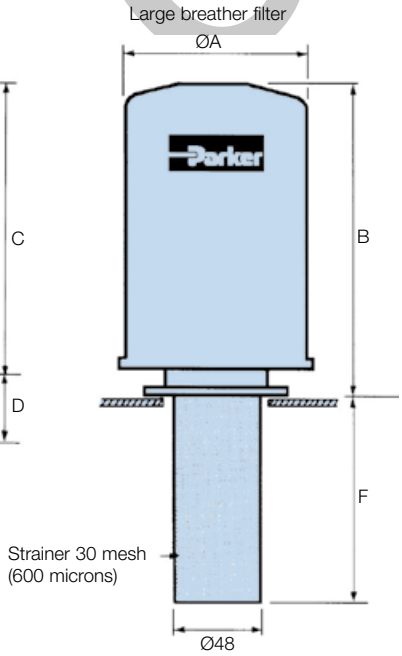
Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.
Note 3: Reservoir must be capable of withstanding pressurisation.

Mounting face for standard and large breather

- High capacity air breathers and filler/breathers designed for the removal of airborne contamination in hydraulic systems to support environmental maintenance.
- Ideal for high flow systems and heavily contaminated environments.
- Disposable spin-on elements quickly and easily replaced.
- 3 micron absolute quality filtration elements.
- Models available – 1700 l/min and 3000 l/min.







Specification

Maximum operating temperature:
-20°C to +90°C.

Construction materials:
Epoxy coated steel components to resist corrosion. resistant paint finish on large breathers.

Fluid compatibility:
Suitable for use with mineral oils and water oil emulsions.

Weights:
Large: H00834001 1.0 Kg
H00834002 1.65 Kg
H00834003 1.90 Kg
Each breather filler is supplied with mounting gaskets and self-tapping screws.

Ordering Information

Large breather dimensions

Part number	Supersedes	Air flow l/min	Dimensions (mm)				Ports
			A	B	C	D	E
H00834004	H00834-004	1700	97	147	135	30	3/4
H00834005	H00834-005	3000	134	198	180	36	1 1/4

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Large breather filler dimensions

Part number	Supersedes	Air flow l/min	Dimensions (mm)			Replacement element complete with bayonet	Supersedes
			A	B	F		
H00834001	H00834-001	1700	97	165	114	H00834006	H00834-006
H00834002	H00834-002	3000	134	204	114	H00834007	H00834-007
H00834003	H00834-003	3000	134	204	203	H00834007	H00834-007

Parker Hannifin
Hydraulic Filter Division Europe
FDHB500UK/Reservoir

Suction Elements

Reservoir Equipment

Proven solutions for oil reservoir efficiency

A range of quality fluid power products for reservoir and system application

A high quality range of products designed to complete a reservoir installation including in-tank suction strainers and oil diffusers, metal and polyester in-line filters and drive couplings with nylon sleeve and sintered steel couplings.
Inline check valves, single station gauge isolator valve and 63mm/100mm pressure gauges are also available.

Contact Information:

Parker Hannifin
Hydraulic Filter Division Europe

European Product Information Centre
Freephone: 00800 27 27 5374
(from AT, BE, CH, CZ, DE, EE, ES, FI, FR, IE, IT, PT, SE, SK, UK)
filtrationinfo@parker.com

www.parker.com/hfde

Product Features:

- In-tank suction strainers and oil diffusers.
- Metal and polyester in-line filters and drive couplings.
- Inline check valves.
- Gauge isolator valves and 63mm/100mm pressure gauges.

VOVA.cz

Suction Elements

Reservoir Equipment

Specification

Construction:
Stainless steel media 30% glass filled nylon head. Zintec centre tube. Polyurethane adhesives.

Maximum working temperature:
-30ºC to 90ºC.

Maximum clear element pressure drop:
0.03 bar.

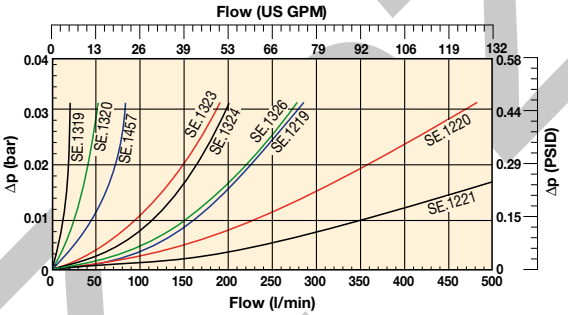
Filtration media:
125 micron*.

Flow range:
15-500 l/min (for 30cst).

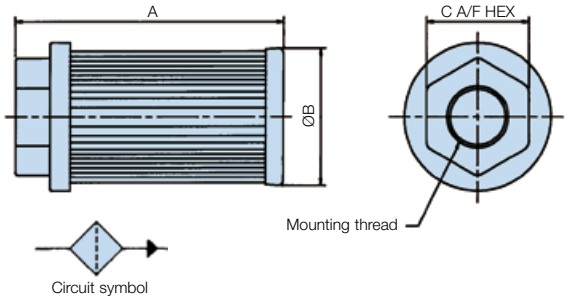
Bypass rating:
0.17 bar.

Mounting threads:
G1/2 up to G3.

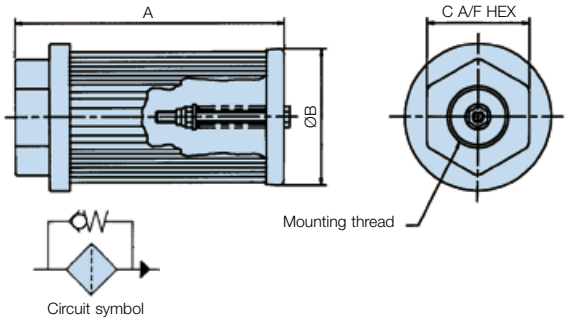
* Non-standard elements are available to order. Consult Parker Filtration.



Installation - Suction Elements Without Bypass



Installation - Suction Elements with Bypass



Ordering Information - Without Bypass

Standard products table

Part number	Supersedes	Flow l/min	Ports BSP	Micron rating	Dimensions (mm)			Weight	Bypass rating
					A	B	C		
SE75111110	SE.1319	15	1/2	125	105.5	46	36	0.08	N/A
SE75221110	SE.1320	25	3/4	125	109.5	64	46	0.15	N/A
SE75231210	SE.1457	50	1	125	139.5	64	55	0.17	N/A
SE75351210	SE.1323	95	1 1/2	125	140	86	65	0.28	N/A
SE75351310	SE.1324	130	1 1/2	125	200	86	65	0.33	N/A
SE75361410	SE.1326	180	2	125	260	86	75	0.40	N/A
SE75461210	SE.1219	225	2	125	150	150	70	0.64	N/A
SE75471310	SE.1220	350	2 1/2	125	212	150	90	0.72	N/A
SE75481410	SE.1221	500	3	125	272	150	100	0.92	N/A

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Ordering Information - With Bypass

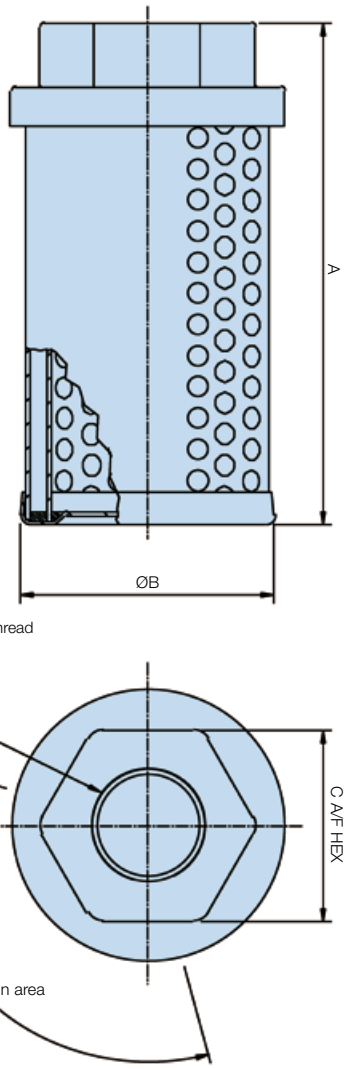
Standard products table

Part number	Supersedes	Flow l/min	Ports BSP	Micron rating	Dimensions (mm)			Weight	Bypass rating
					A	B	C		
SE75111111	SE.5100	15	1/2	125	105.5	46	36	0.08	0.17 bar
SE75221111	SE.5101	25	3/4	125	109.5	64	46	0.15	0.17 bar
SE75231211	SE.5102	50	1	125	139.5	64	55	0.17	0.17 bar
SE75351211	SE.5103	95	1 1/2	125	140	86	65	0.28	0.17 bar
SE75351311	SE.5104	130	1 1/2	125	200	86	65	0.33	0.17 bar
SE75361411	SE.5105	180	2	125	260	86	75	0.40	0.17 bar
SE75461211	SE.5106	225	2	125	150	150	70	0.64	0.17 bar
SE75471311	SE.5107	350	2 1/2	125	212	150	90	0.72	0.17 bar
SE75481411	SE.5108	500	3	125	272	150	100	0.92	0.17 bar

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Diffusers
Reservoir Equipment

Installation Details



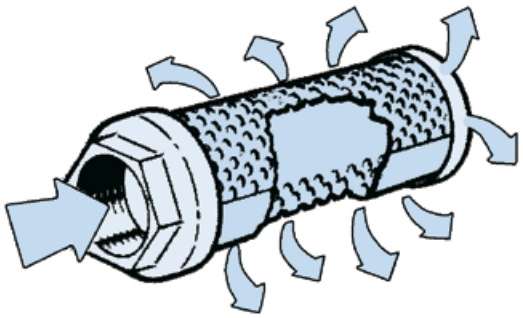
Specification

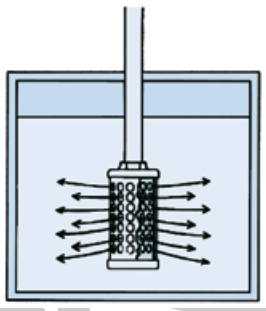
Construction:
Zintec body.
30% glass-filled nylon head.
Zintec end cap.
Polyurethane adhesives.

Flow range:
50 l/min up to 454 l/min (For 30cSt).

Mounting threads:
G3/4 up to G2.

Working Temperature:
-30°C to + 90°C





The effect of fitting a diffuser

Note: When installing a diffuser the plain area on the outside must be facing the pump inlet.
Note: For information relating to maximum differential pressure over the diffuser, consult Parker Filtration.

The benefits of specifying a Parker Filtration Diffuser

Installing a Parker Filtration Diffuser in a hydraulic reservoir is a simple operation that can make a big difference to system efficiency.

With its special concentric tubes designed with discharge holes 180° opposed fluid aeration, foaming and reservoir noise are reduced and pump life extended by reducing cavitation to the pump inlet.

Diffusers manufactured to customer specifications and other sizes of diffusers are available.

Ordering Information

Standard products table

Part number	Flow l/min	Ports BSP	Dimensions (mm)			Weight
			A	B	C	
2201	114	1	127	86	55	0.42
2202	227	1 1/2	178	86	65	0.56
2210	50	3/4	120	62	46	0.27
2203	454	2	242	86	75	0.69

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Parker Hannifin
Hydraulic Filter Division Europe
FDHB500UK/Reservoir

Inline Filters
Reservoir Equipment

Metal Inline Filter - Specification

Construction:
Head – zinc.
Bowl – Aluminium
BS1470/1050A. 1987.

Element:
Zintec/Stainless steel.
125 micron*.

Max. flow:
90 l/min.

Max working pressure:
7 bar.

Thread:
G1.

Working temperature:
-30°C to +80°C.

Seal:
Nitrile.

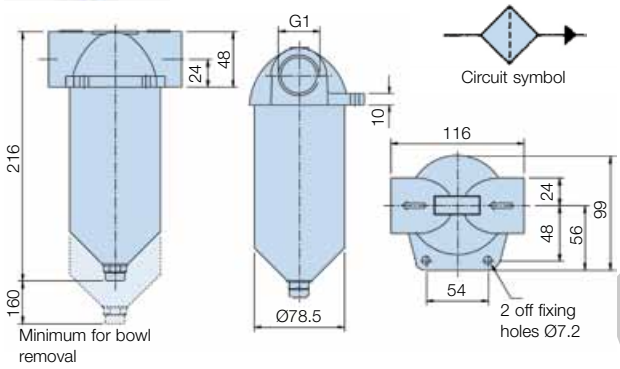
Bowl tightening torque:
12 Nm.

Flow direction:
From outside to inside.

Weight:
1.5 Kg.

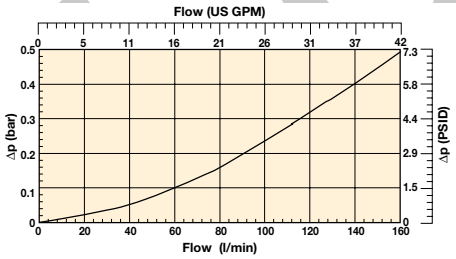
*Alternative media can be specified.

Installation Details



Filter Selection

Total assembly pressure drop flow curve
Oil Viscosity 30 cSt Relative density 0.856



Ordering Information

Standard products table

Part number	Flow l/min	Thread BSP	Micron rating	Replacement element	Supersedes
IL1115	90	G1	125	**EIL1115**	E.IL.1115

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Non-Corrodible Inline Filter - Specification

Construction:
Housing and bowl moulded in polyester.

Element:
Stainless steel mesh.
125 micron*.

Max. flow:
120 l/min.

Max working pressure:
7 bar.

Thread:
G1.

*For alternative media consult Parker Filtration
Note: When using with water, protect from freezing.

Working temperature:
-30°C to +80°C.
(+60°C water).

Seal:
Nitrile.

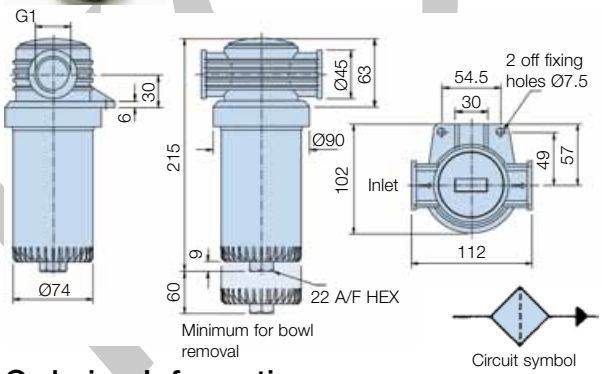
Bowl tightening torque:
12 Nm.

Bowl tightening note:
A box or ring spanner is recommended.

Flow direction:
From outside to inside.

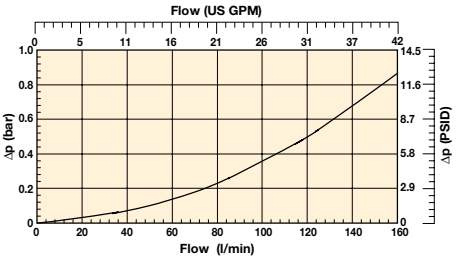
Weight:
0.5 Kg.

Installation Details



Total assembly pressure drop flow curve

Oil Viscosity 30 cSt Relative density 0.856



Ordering Information

Standard products table

Part number	Supersedes	Thread BSP	Appliance	Micron rating	Weight	Replacement element
IL761151	IL.1151	1	Oil	125	0.5	**R.76115**
IL761251	IL.1251	1	Water	125	0.5	**R.76125**

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.