

# Reservoir Equipment



## Parker Filtration for Hydraulic Reservoir Solutions



**NEW**

Parker offers innovative co-polymer hydraulic reservoir solutions for equipment manufacturers.

A concept that combines design flexibility to meet a customer's specifications with the benefits of integrated reservoir functions and leak-proof connections.

- A partnership in supply-chain management reduces costs.
- A reduction of component parts.
- Integrated hydraulic filter and air filter benefits.
- Patented element for Parker guaranteed filtration quality.

For more information on Parker Filtration's co-polymer and metal reservoir solutions contact:

Tel: +44 (0)1924 487000

Email: [filtrationinfo@parker.com](mailto:filtrationinfo@parker.com)



Aerospace | Automation | Climate & Industrial Controls | Filtration  
Fluid Connectors | Hydraulics | Instrumentation | Seal

# Finding design solutions for reservoir requirements

Parker's Filter Division Europe manufactures innovative, lightweight co-polymer reservoirs, that can feature an integrated, patented and environmentally friendly *LEIF*<sup>®</sup> filter element and an ecological air filter. Ideally suited for mobile hydraulic systems, such as forklift trucks, telescopic handlers and agricultural sprayers, the all-in-one design of the reservoir means that it can be specified as a complete unit, helping mobile equipment manufacturers to cut costs, save time and increase efficiency.

The environmentally friendly *LEIF*<sup>®</sup> (Low Environmental Impact Filter) element has been designed to allow the outer metal filter sleeve to be re-used. As a result, only the contaminated filter medium has to be disposed of as chemical waste, helping to reduce disposal and processing costs by as much as 50%.

Connection points for support devices, such as suction pumps, drains or filler openings, can be easily incorporated into the lightweight reservoir, with metal connectors being available for hose couplings, and flange or thread attachments. Each metal connector is moulded into the co-polymer reservoir wall, ensuring a reliable, leak-proof connection between the reservoir and ancillary components. In addition, an oil level indicator can be fully integrated into the design, eliminating the need for level glasses, which are fragile and a potential source of leakage if mounted incorrectly.

The dimensions, shape and design of the lightweight reservoir can be fully adapted to meet the specific needs of each customer, with each reservoir being specified as a single unit. This can help OEMs to reduce inventory, assembly and maintenance costs.

The co-polymer reservoir forms part of a product family comprising filters and filtration products, which have been designed to combine exceptional levels of performance and reliability in robust, virtually zero maintenance units.

# Environmental Air Filters



# EAB Series

## Typical Applications



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

## Technical Data

The breather 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 G<sup>3/4</sup>" , G1".

Internal thread G<sup>3/4</sup>".

**Options:**

Visual gauge type vacuum/pressure indicator.

Overpressure valve, pressure setting 0.2 bar. (available for EAB20 only)

**Advantages of the EAB-breathers:**

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.

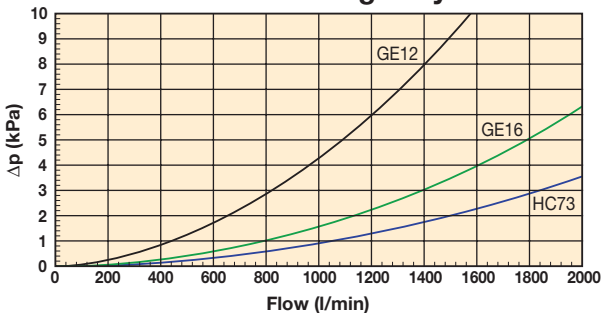
**Other features:**

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.

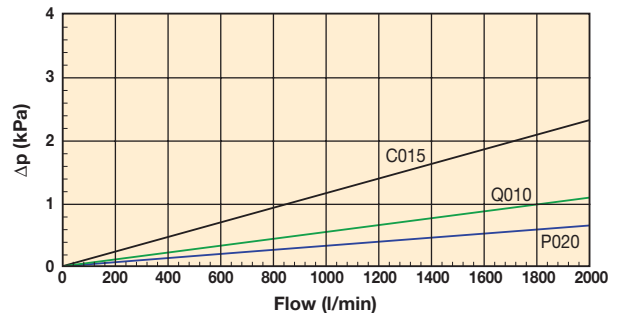
## Pressure Drop Curves

$\Delta p_{total} = \Delta p_{housing} + \Delta p_{element}$ . The recommended level of the initial pressure drop for this filter is max 0.02 bar (2.0 kPa).

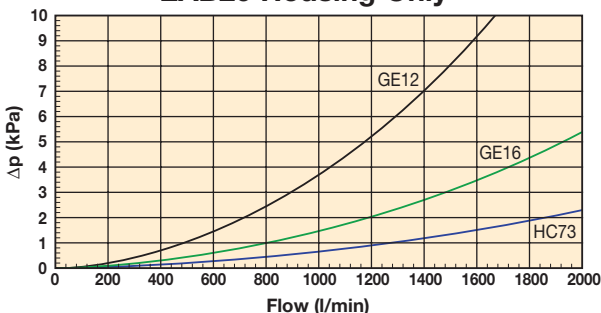
**EAB10 Housing Only**



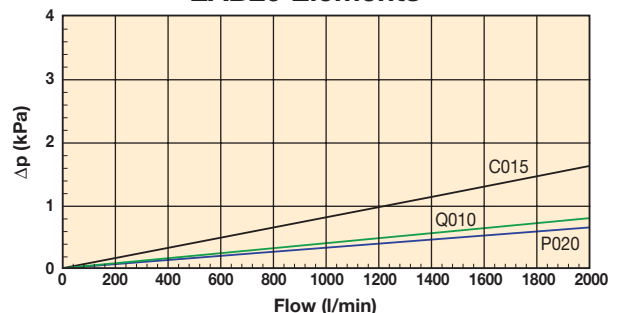
**EAB10 Elements**



**EAB20 Housing Only**

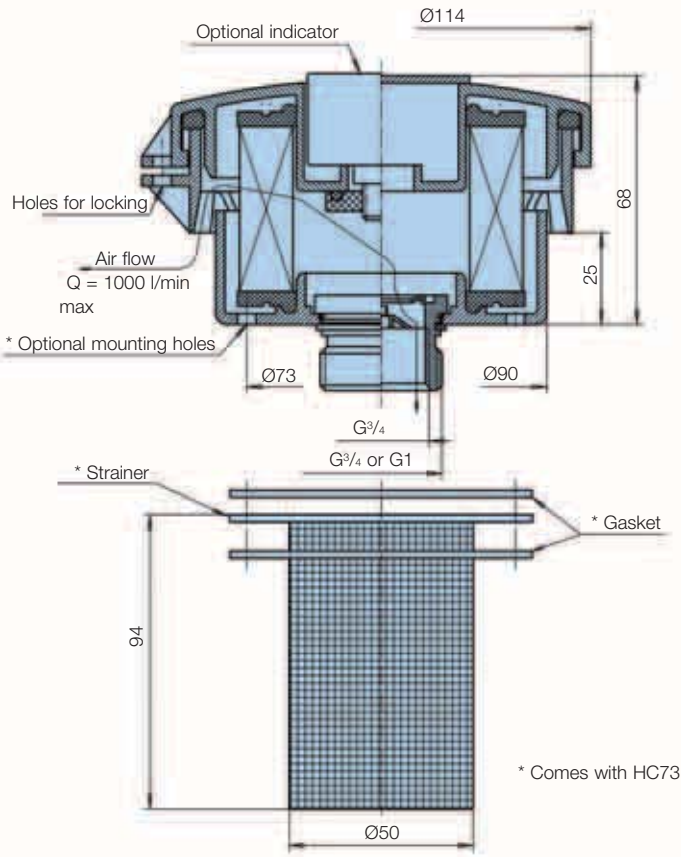


**EAB20 Elements**

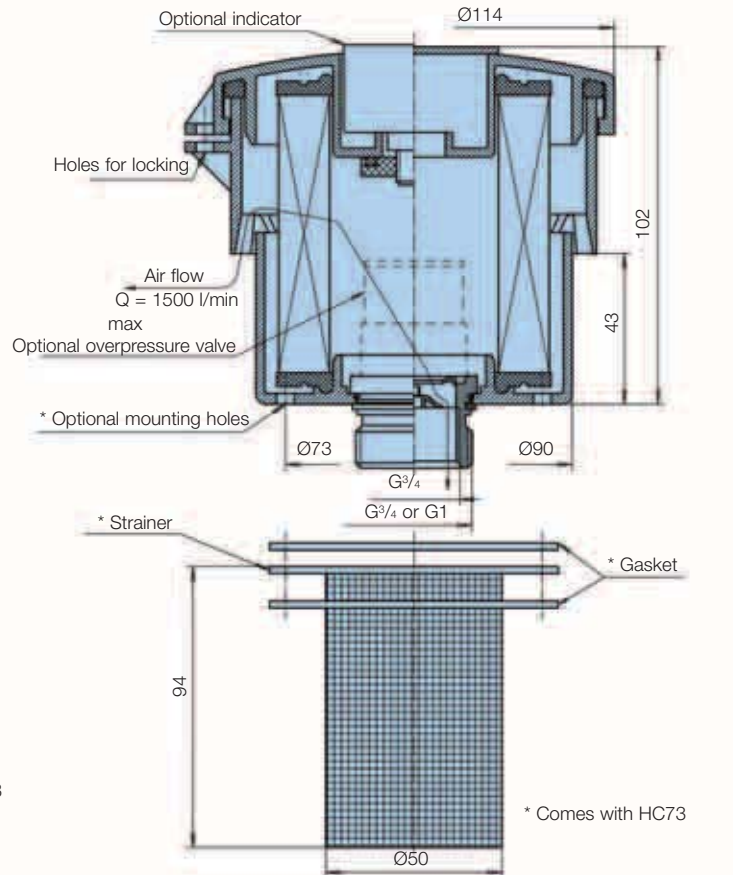


## Specification

### EAB10



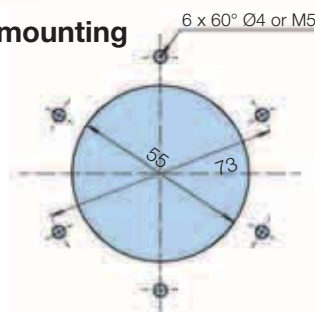
### EAB20



#### 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
G1/4 external	GE12
G1/4 internal	GS12

# EAB Series

## Ordering Information

### Standard products table

Part number	Supersedes	Model	Media	Mounting	Overpressure valve	Indicator	Replacement elements
<b>EAB20P020HC73V2</b>	EAB20P020HC73-V2	EAB20	P020	HC73	V2	A	<b>EAB20P020</b>
<b>EAB10P020HC73</b>	N/A	EAB20	P020	HC73			<b>EAB20P020</b>
<b>EAB20P020HC73</b>	N/A	EAB20	P020	HC73			<b>EAB20P020</b>
<b>EAB20P020GE16</b>	N/A	EAB20	P020	GE16			<b>EAB20P020</b>
<b>EAB20P020HC73A</b>	EAB20P020HC73-A	EAB20	P020	HC73			<b>EAB20P020</b>
<b>EAC20P020</b>	N/A	EAC20	P020				<b>EAC20P020</b>

### Product configurator

Product number	Media options		Mounting options		Overpressure valve options		Indicator options	
<b>EAB20</b>	<b>PO20</b>	2µ abs polyester	<b>HC73</b>	6 hole fixing		No overpressure valve		No indicator
<b>EAB10</b>	<b>C015</b>	1.5µ abs water resistant	GE12	G <sup>3</sup> / <sub>4</sub> external thread	<b>V2</b>	0.2 bar	<b>A</b>	Vacuum/pressure gauge
	<b>Q010</b>	1.0µ abs glass fibre	<b>GE16</b>	G1 external thread				
			GS12	G <sup>3</sup> / <sub>4</sub> internal thread				
			ME33	M33 x 2 external thread				

### Replacement elements

Product number	Media options	
<b>EAC20</b>	<b>PO20</b>	2µ abs polyester
<b>EAC10</b>	<b>C015</b>	1.5µ abs water resistant
	<b>Q010</b>	1.0µ abs glass fibre

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.

# ABL Series

## 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 G1 1/4 (ISO 228), 1 1/2" (UN-16-2B).

**Seal material:**

Seals integrated in *LEIF*<sup>®</sup> element.

**Operating temperature range:**

-20° to +80°C.

**Filtration media:**

3 micron.

**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*<sup>®</sup> element.

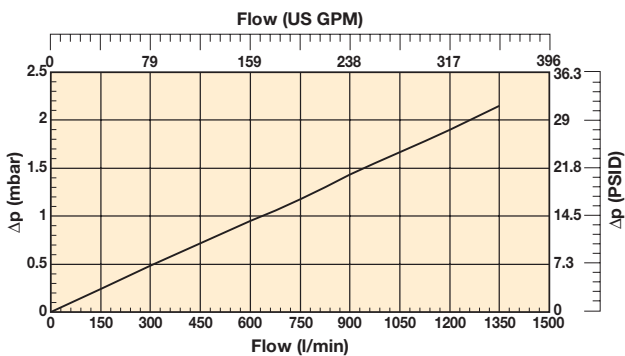
**Options:**

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

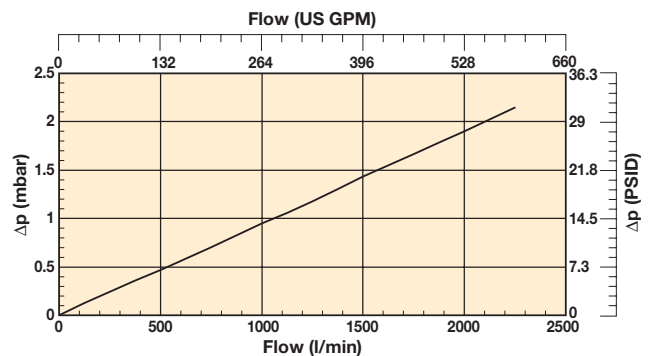
*LEIF*<sup>®</sup> elements can be applied for hydraulic fluids only. For other fluids contact Parker Filtration.

## Pressure Drop Curves

**ABL1**



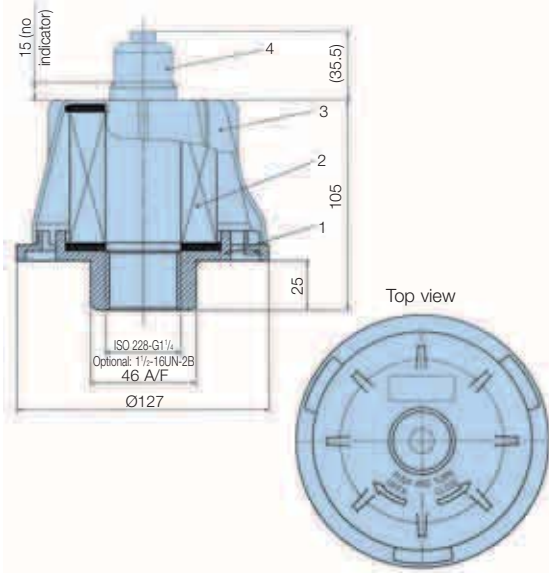
**ABL2**



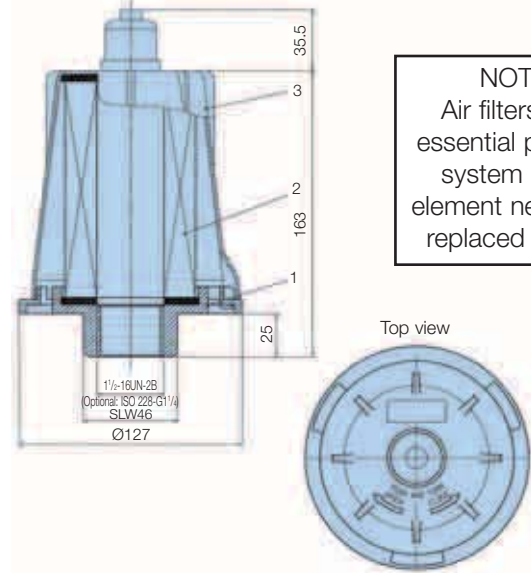
# ABL Series

## Specification

### ABL-1



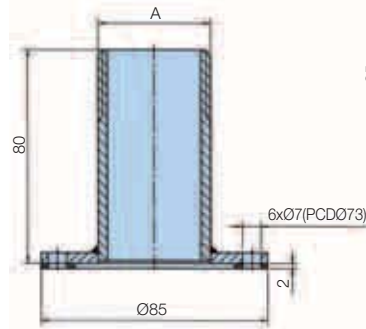
### ABL-2



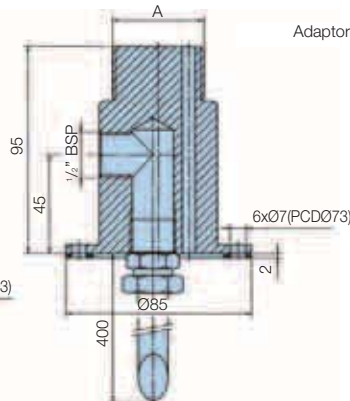
**NOTICE!**  
Air filters are an essential part of the system and the element needs to be replaced regularly.

## Extensions and filling mounting adaptors

Adaptor single



Adaptor with filler connection





## Ordering Information

### Standard products table

Part number	Supersedes	Replacement elements
<b>ABL1G114QXWL3</b>	ABL1-G1 <sup>1</sup> / <sub>4</sub> -QXWL-3	<b>QXWL3</b>
<b>ABL2G114QXWL13V</b>	ABL2-G1 <sup>1</sup> / <sub>4</sub> -QXWL-1-3-V	<b>QXWL13</b>
<b>ABL2U112QXWL13V</b>	ABL2-U1 <sup>1</sup> / <sub>2</sub> -QXWL-1-3-V	<b>QXWL13</b>
<b>ADAPTORABLG114FP</b>	ADAPTOR-ABL-G1 <sup>1</sup> / <sub>4</sub> -FP	-

### Product configurator

Product number		Mounting options		Filtration (3µm)		Indicators		Options	
<b>ABL1</b>	1000 l/min	<b>G114</b>	ISO 228 - G1 <sup>1</sup> / <sub>4</sub> (BSP)	<b>QXWL3</b>	ABL1 Only		None		None
<b>ABL2</b>	2000 l/min	<b>U112</b>	1 <sup>1</sup> / <sub>2</sub> UN-16-2B	<b>QXWL13</b>	ABL2 Only	<b>V</b>	Visual	SNG	Vacuum/Pressure Gauge
								FP	Adaptor With Filler Connection

### Product configurator

Product number	Mounting options		Options	
<b>Adaptor ABL</b>	<b>G114</b>	ISO 228 - G1 <sup>1</sup> / <sub>4</sub> (BSP)	<b>SNG</b>	Single Adaptor
	<b>U112</b>	1 <sup>1</sup> / <sub>2</sub> UN-16-2B	<b>FP</b>	Adaptor With Filler Connection

### Replacement elements

Part number	Supersedes	Description
<b>QXWL3</b>	QXWL-3	3µ
<b>QXWL13</b>	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.



# Glass-Filled Nylon and Metal Air Filters

IP65 Rated, Metal, Screw-on and Lockables



# IP65 Rated Filler Breather Filters

## 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.

#### 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.

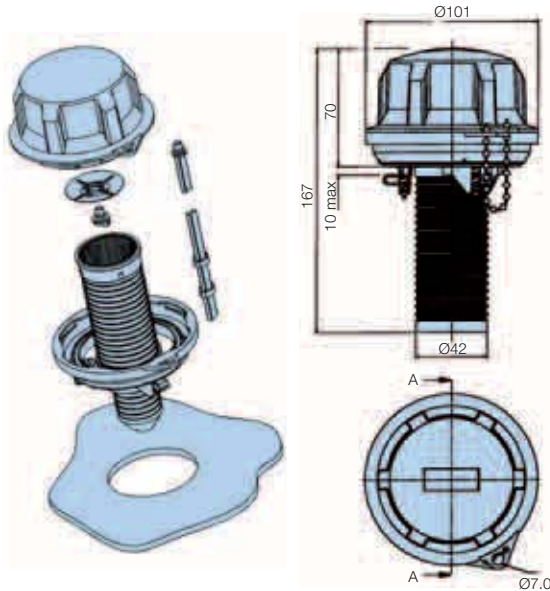
#### Breather weight:

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)



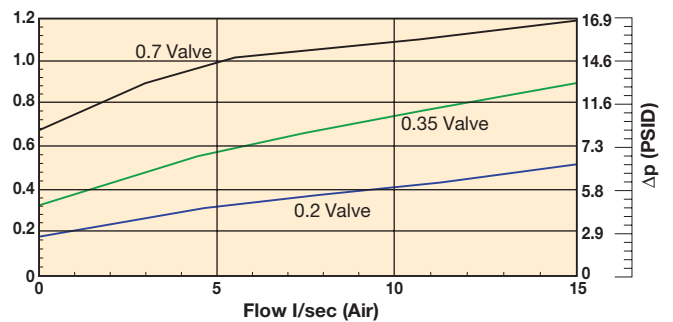
### Option 1. Single Hole Filler Breathers – Pressurised

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

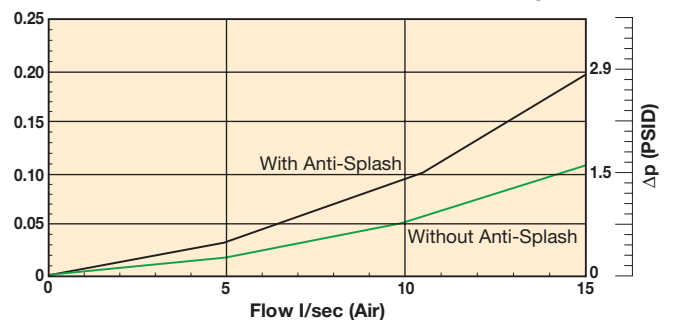
Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

### AB98XXX Pressurised Pressure Drop Curves



### AB98XXX Non-Pressurised Pressure Drop Curves



### Option 1. Single Hole Filler Breathers – Non-Pressurised

Part number	Supersedes	Description
<b>AB98210011</b>	AB.98210011.UC	10µ filler breather with 95mm strainer
<b>AB98210021</b>	AB.98210021.UC	10µ filler breather with telescopic strainer
<b>AB98210001</b>	AB.98210001.UC	10µ 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:

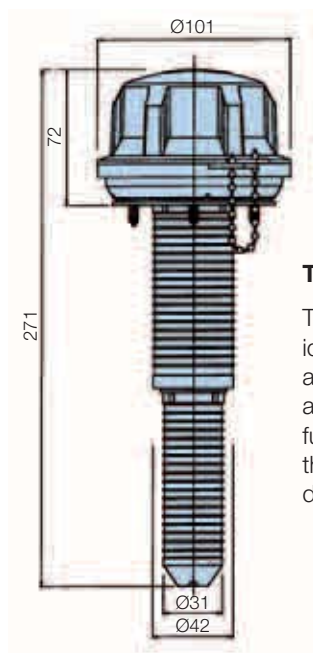
Form 6 off tank mounting holes between  $\text{Ø}4.0$  and  $4.4\text{mm}$  (dependent on the material and thickness – see guide below) equispaced on  $70\text{-}73\text{mm}$  P.C.D. to suit supplied No.10 thread forming screws.

#### Note 2. Pressurised 6-hole fixing:

Form 6 off tank mounting holes between  $\text{Ø}4.0$  and  $\text{Ø}4.4\text{mm}$  (dependent on the material and thickness – see guide below) equispaced on  $73\text{mm}$  P.C.D. to suit supplied No.10 thread forming screws.

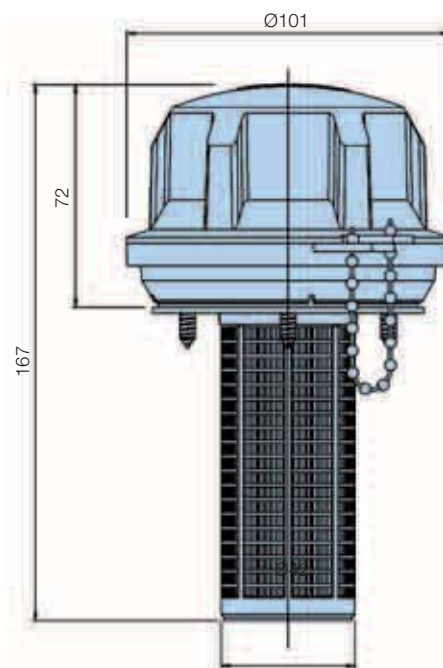
#### Note 3. Reservoir mounting guide

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



#### 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.



#### Option 2. 6 Hole Filler Breathers – Pressurised

Part number	Supersedes	Description
<b>AB98817011</b>	AB.98817011.UC	10 $\mu$ pressurised 0.7bar with 95mm strainer
<b>AB98812001</b>	AB.98812001.UC	10 $\mu$ pressurised 0.2bar without strainer
<b>AB98812011</b>	AB.98812011.UC	10 $\mu$ pressurised 0.2bar with 95mm strainer
<b>AB98812021</b>	AB.98812021.UC	10 $\mu$ pressurised 0.2bar with telescopic strainer
<b>AB98813001</b>	AB.98813001.UC	10 $\mu$ pressurised 0.35bar without strainer
<b>AB98813011</b>	AB.98813011.UC	10 $\mu$ pressurised 0.35bar with 95mm strainer
<b>AB98813021</b>	AB.98813021.UC	10 $\mu$ pressurised 0.35bar with telescopic strainer
<b>AB98817001</b>	AB.98817001.UC	10 $\mu$ pressurised 0.7bar without strainer
<b>AB98817021</b>	AB.98817021.UC	10 $\mu$ pressurised 0.7bar with telescopic strainer

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

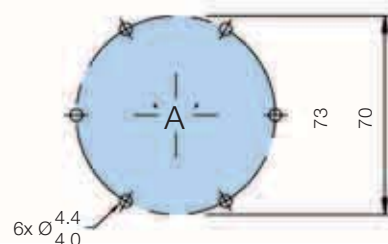
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

#### Option 2. 6 Hole Filler Breathers – Non-Pressurised

Part number	Supersedes	Description
<b>AB98810001</b>	AB.98810001.UC	10 $\mu$ filler breather without strainer
<b>AB98810011</b>	AB.98810011.UC	10 $\mu$ filler breather with 95mm strainer
<b>AB98810021</b>	AB.98810021.UC	10 $\mu$ 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.



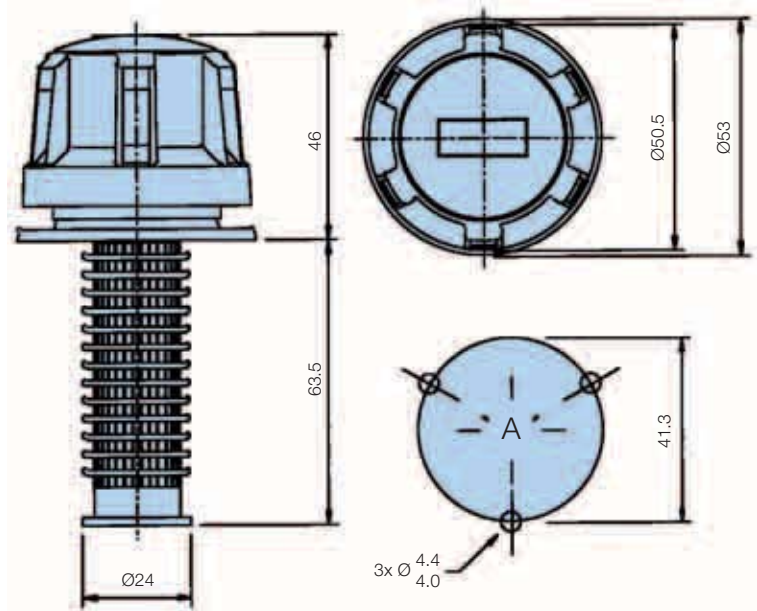
# Filler Breather Filters

## Option 3 Filler Breathers (3 Hole Installation)



### 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
<b>AB68110</b>	10 micron filler breather without strainer
<b>AB68118</b>	10 micron 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.

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.

## Dipstick Options

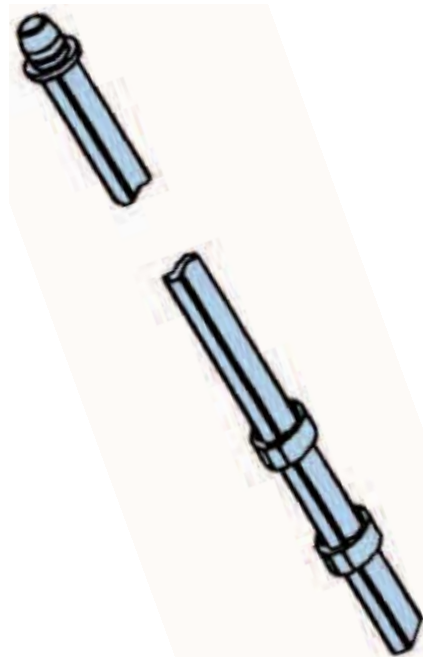
### Dipstick Ordering

Part number	Supersedes	Description
<b>B68206</b>	DIP.206	10 x 200mm Dipsticks
<b>B68207</b>	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.



# Screw-On Type Air Breathers

## Standard Screw-On Breathers - Specification



### Option 1- G<sup>1</sup>/<sub>2</sub> and G<sup>3</sup>/<sub>4</sub> (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 – G<sup>1</sup>/<sub>2</sub> or G<sup>3</sup>/<sub>4</sub> threaded base models.

**Filtration element:**

Expanded polyurethane foam, 10 micron.

**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:**

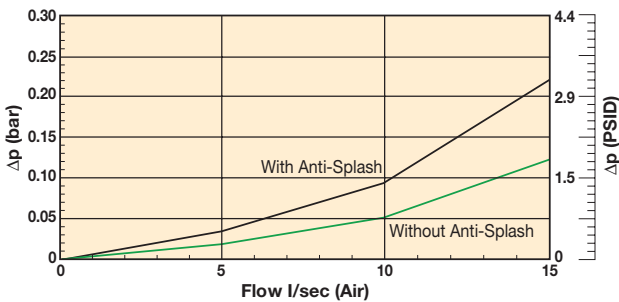
0.2Kg.

**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



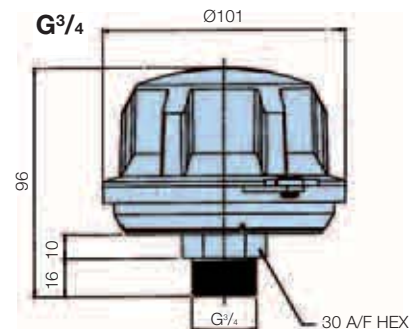
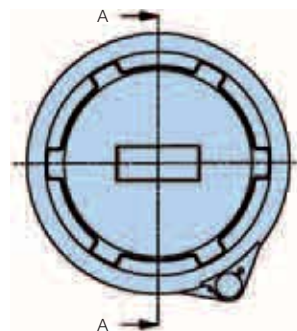
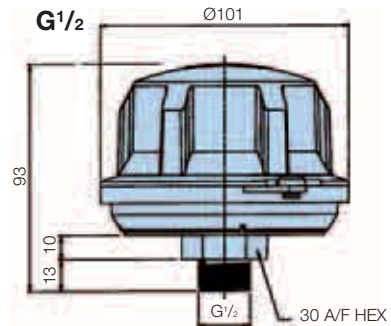
Note: For pressure drop information on the Option 1. Pressurised consult Parker Filtration.

### Option 1 – G<sup>1</sup>/<sub>2</sub> or G<sup>3</sup>/<sub>4</sub>

Part number	Supersedes	Description
<b>AB98610101</b>	AB.98610101.UC	10µ G <sup>1</sup> / <sub>2</sub> Un-pressurised
<b>AB98612101</b>	AB.98612101.UC	10µ G <sup>1</sup> / <sub>2</sub> pressurised 0.2 bar
<b>AB98613101</b>	AB.98613101.UC	10µ G <sup>1</sup> / <sub>2</sub> pressurised 0.35 bar
<b>AB98617101</b>	AB.98617101.UC	10µ G <sup>1</sup> / <sub>2</sub> pressurised 0.7 bar
<b>AB98410101</b>	AB.98410101.UC	10µ G <sup>3</sup> / <sub>4</sub> Un-pressurised
<b>AB98412101</b>	AB.98412101.UC	10µ G <sup>3</sup> / <sub>4</sub> pressurised 0.2 bar
<b>AB98413101</b>	AB.98413101.UC	10µ G <sup>3</sup> / <sub>4</sub> pressurised 0.35 bar
<b>AB98417101</b>	AB.98417101.UC	10µ G <sup>3</sup> / <sub>4</sub> 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.



# Screw-On Type Air Breathers

## Compact Screw-On Breathers - Specification

### Option 2 – G<sup>1/4</sup>, G<sup>3/8</sup>, R<sup>1/2</sup> and R<sup>3/4</sup> (Ø40)

**Construction:**

G<sup>1/4</sup>, G<sup>3/8</sup>, R<sup>1/2</sup> and R<sup>3/4</sup> cap and base plate mouldings in nylon 66.

**Element:**

Expanded Polyurethane foam, 10 micron.

**Dipstick:**

Available for use with R<sup>1/2</sup> and R<sup>3/4</sup>.

**Dipstick material:**

ABS.

**Hi/Lo indicators:**

Acetal adjustable red/green level indicators.

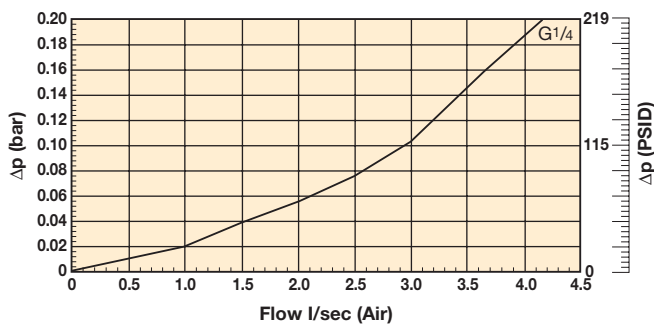
**Dipstick lengths:**

200mm and 400mm (packs of 10).

**Breather weights:**

0.028Kg

## Pressure Drop Flow Curve



Note: For pressure drop information on G<sup>3/8</sup>, R<sup>1/2</sup> and R<sup>3/4</sup>, consult Parker Filtration.

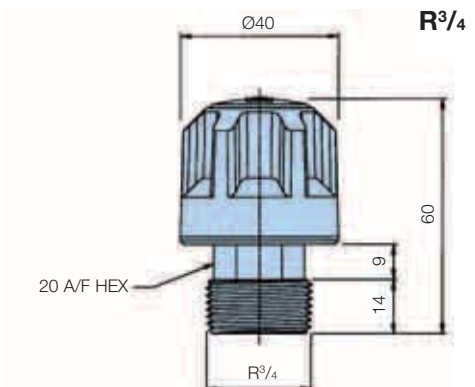
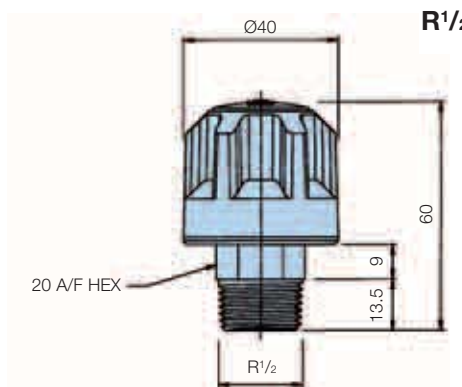
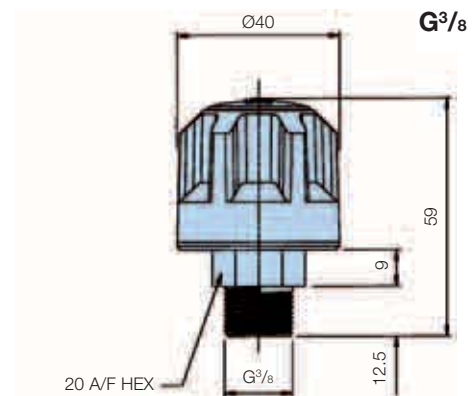
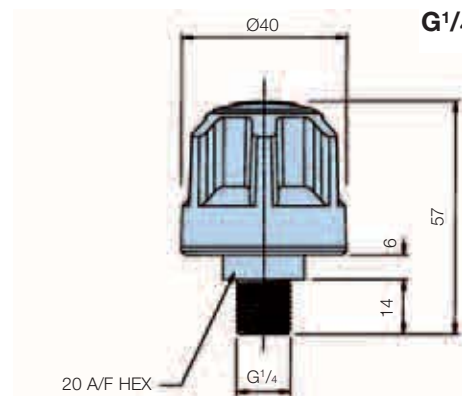
## Ordering Information

### Option 2 – G<sup>1/4</sup>, G<sup>3/8</sup>, R<sup>1/2</sup> and R<sup>3/4</sup>

Part number	Supersedes	Description
<b>AB683101</b>	AB.683101.UC	10µ G <sup>1/4</sup> Un-pressurised
<b>AB68X101</b>	AB.68X101.UC	10µ G <sup>3/8</sup> Un-pressurised
<b>AB68Y101</b>	AB.68Y101.UC	10µ R <sup>1/2</sup> Un-pressurised
<b>AB68Z101</b>	AB.68Z101.UC	10µ R <sup>3/4</sup> 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.





## Screw-On Type Air Breathers - Specification

### Option 3 – G<sup>3</sup>/<sub>8</sub>, G<sup>1</sup>/<sub>2</sub> and G<sup>3</sup>/<sub>4</sub> (Ø70)

**Construction:**

Mouldings in glass-filled nylon and glass coupled polypropylene.

**Element:**

Expanded Polyurethane foam, 10 micron.

**Seals:**

Nitrile.

**Pressurised air breathers:**

Available G<sup>3</sup>/<sub>8</sub>, G<sup>1</sup>/<sub>2</sub> and G<sup>3</sup>/<sub>4</sub>,  
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 G<sup>3</sup>/<sub>8</sub>, G<sup>1</sup>/<sub>2</sub> and G<sup>3</sup>/<sub>4</sub>.

**Dipstick material:**

Mini-series in brass.

**Hi/Lo indicators:**

Acetal adjustable red/green level indicators.

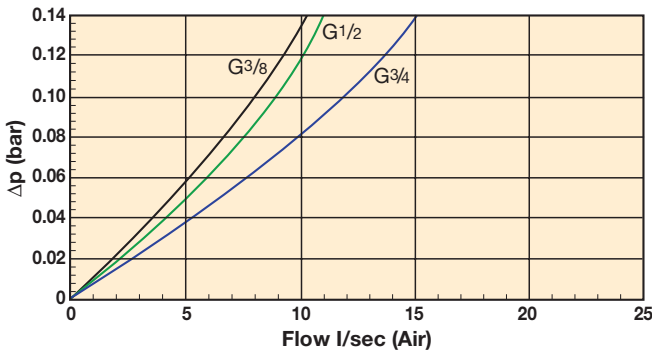
**Dipstick lengths:**

200mm and 400mm (packs of 10).

**Breather weights:**

0.075Kg, Mini-series – 0.019Kg.

### Pressure Drop Flow Curve



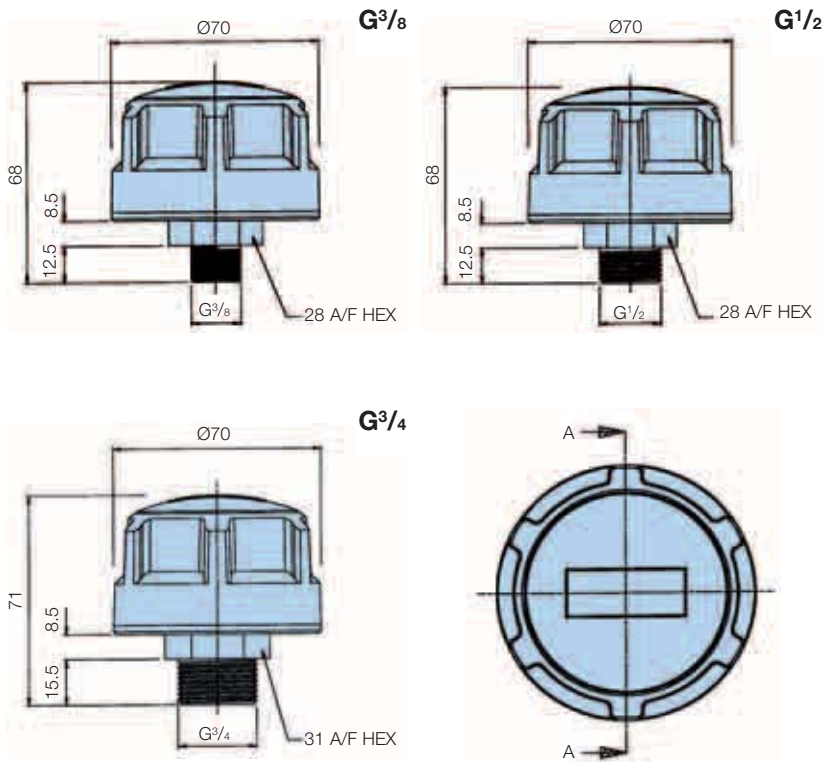
### Ordering Information

#### Option 3 – G<sup>3</sup>/<sub>8</sub>, G<sup>1</sup>/<sub>2</sub> and G<sup>3</sup>/<sub>4</sub>

Part number	Supersedes	Description
<b>AB685101</b>	SAB.5101	10µ G <sup>3</sup> / <sub>8</sub> Un-pressurised
<b>AB687101</b>	SAB.7101	10µ G <sup>1</sup> / <sub>2</sub> Un-pressurised
<b>AB686101</b>	SAB.6101	10µ G <sup>3</sup> / <sub>4</sub> 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.



**The mini-series breather**

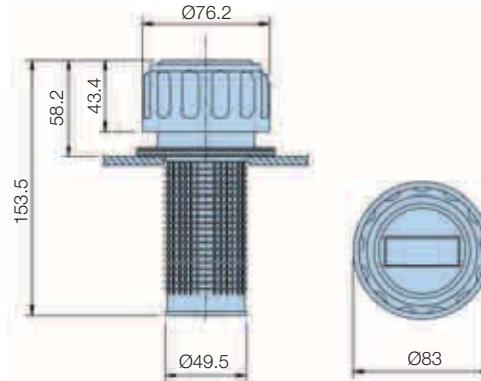
Screw-on option      Push-fit option

Part number	Description
<b>S680003</b>	Gearbox air breather

## Reservoir Equipment

# Filler Breather Filters (Metal)

## Metal Airbreather/Filler breather Specification



### 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	Supercedes	Replacement cap	Supercedes	Displacement l/min	Crack pressure	Micron rating	Air flow m <sup>3</sup> /min	Thread	Weight
<b>Threaded airbreather (unpressurised)</b>									
<b>SAB156210</b>	SAB.1562.10	N/A	N/A	430	N/A	10	0.45	G <sup>3</sup> / <sub>4</sub>	0.20kg
<b>SAB156310</b>	SAB.1563.10	N/A	N/A	135	N/A	10	0.15	G <sup>1</sup> / <sub>4</sub>	0.06kg
<b>Filler breather - filter flange type (unpressurised)</b>									
<b>AB116310</b>	AB.1163.10	CAP.116310	CAP.1163.10	430	N/A	10	0.45	N/A	0.24kg
<b>AB138010</b>	AB.1380.10	CAP.138010	CAP.1380.10	135	N/A	10	0.15	N/A	0.08kg
<b>5561</b>	N/A	N/A	N/A	430	N/A	10	0.45	N/A	0.24kg
<b>Filler breather - filter flange type (pressurised)</b>									
<b>PAB1730105</b>	PAB.1730.10.5	CAP.1730105	CAP.1730.10.5	430	0.35 bar	10	0.45	N/A	0.27kg
<b>PAB17301010</b>	PAB.1730.10.10	CAP.17301010	CAP.1730.10.10	430	0.70 bar	10	0.45	N/A	0.27kg
<b>Air breather - threaded type (pressurised)</b>									
<b>SPA1731105</b>	SPA.1731.10.5	N/A	N/A	430	0.35 bar	10	0.45	G <sup>3</sup> / <sub>4</sub>	0.20kg
<b>SPA17311010</b>	SPA.1731.10.10	N/A	N/A	430	0.70 bar	10	0.45	G <sup>3</sup> / <sub>4</sub>	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.

## 1731 - Threaded type (Pressurised)

**Displacement:**  
430 l/min.

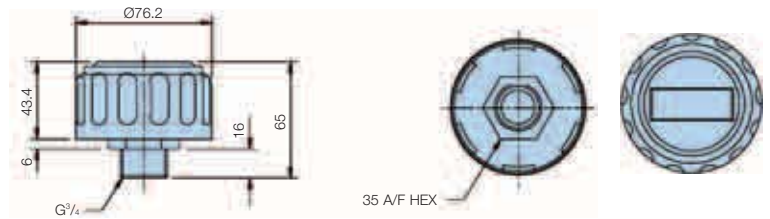
**Weight:**  
0.2 Kg.

**Micron rating:**  
10 $\mu$

**Thread:**  
G $^{3/4}$ .

**Air flow:**  
0.45m $^3$ /min.

**Valve crack-pressure:**  
0.35 and  
0.7 bar.



## 1562-1563 - Threaded type (Un-pressurised)

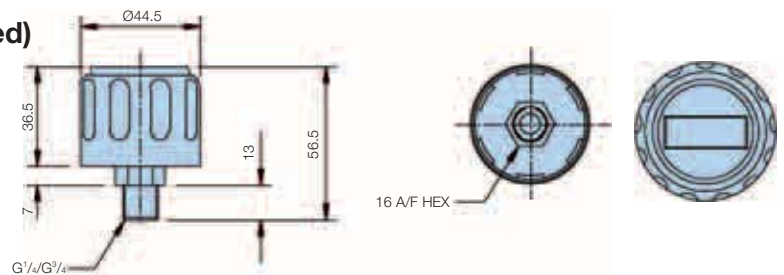
**Displacement:**  
1562 = 430 l/min.  
1563 = 135 l/min.

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

**Micron rating:**  
10 $\mu$

**Thread:**  
1562 = G $^{3/4}$ .  
1563 = G $^{1/4}$ .

**Air flow:**  
1562 = 0.45m $^3$ /min.  
1563 = 0.15m $^3$ /min.



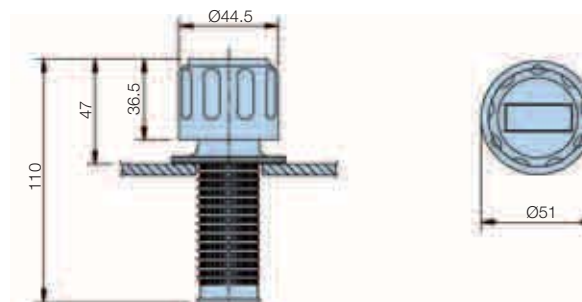
## 1380 - Filter flange type

**Displacement:**  
135 l/min.

**Air flow:**  
0.15m $^3$ /min.

**Micron rating:**  
10 $\mu$

**Weight:**  
0.08 Kg.



### Tank installation notes

#### 1. Un-pressurised 6 hole fixing

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

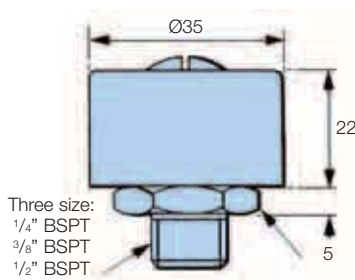
Form 6 off mounting holes between Ø4.0 and Ø4.4 equispaced on 73.0 P.C.D. to suit  
No. 10 thread forming screws supplied.

#### 3. Un-pressurised 3 hole fixing

Form 3 off tank mounting holes between Ø4.0 and Ø4.4 equispaced on 41.3 P.C.D. to suit  
No. 10 thread forming screws supplied.

## Breather Units

### Small Breather Specification



## Ordering Information

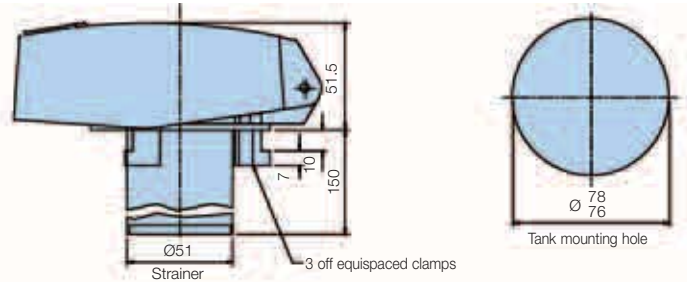
Part number	Supersedes	Description
H00279001	H00279-001	Small breather 1/4 BSPT thread
H00279002	H00279-002	Small breather 3/8 BSPT thread
H00279003	H00279-003	Small breather 1/2 BSPT thread

# Lockable Filler Breather

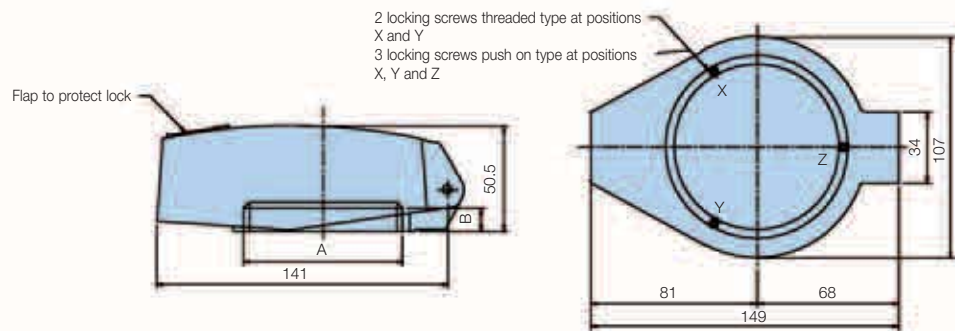
## Installation Details



**Tank Mounting**

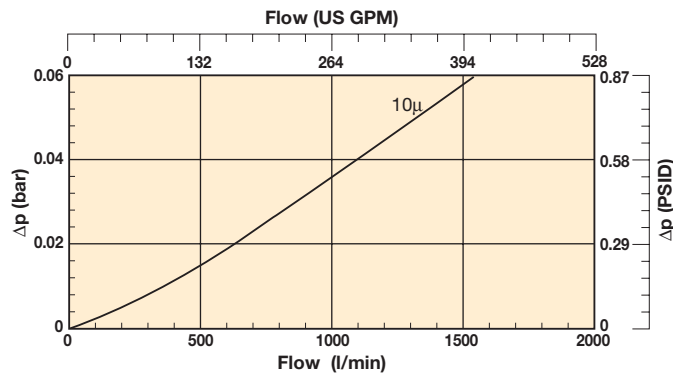


**Stand Pipe Mounting**



## Lockable Filler Breather Selection

### Total assembly pressure drop flow curve – 10 $\mu$ elements



## Ordering Information

Part number	Description
<b>LFC622142</b>	Non-breathing (No element) Clamp mounting with strainer
<b>LFC622212</b>	10 $\mu$ element, G2 thread with strainer
<b>LFC622242</b>	10 $\mu$ element, clamp mounting with strainer
<b>LFC622432</b>	10 $\mu$ vented (air in) push on mounting with strainer
<b>LFC622122</b>	Non-breathing (No element) 2" BSP thread with strainer
<b>LFC622222</b>	10 $\mu$ element, G2 1/2 thread with strainer
<b>LFC622411</b>	10 $\mu$ 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

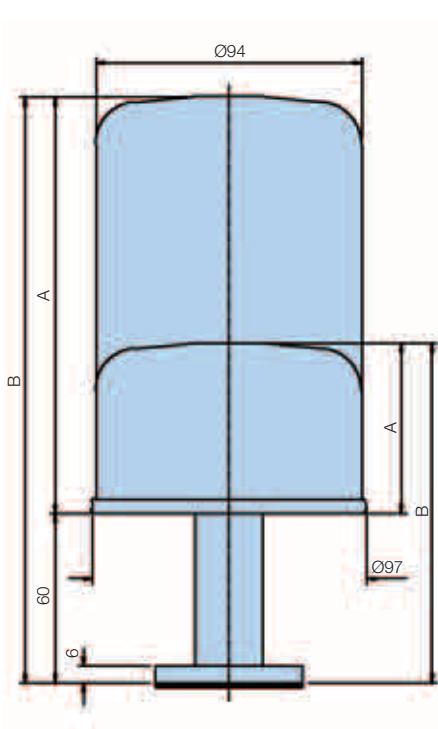


# Spin-On Air Breathers

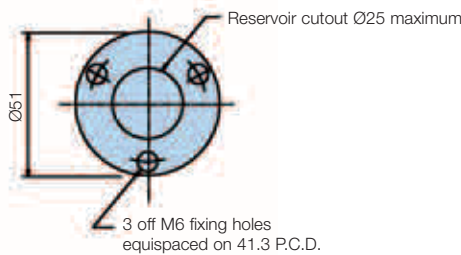
## Specification



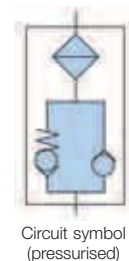
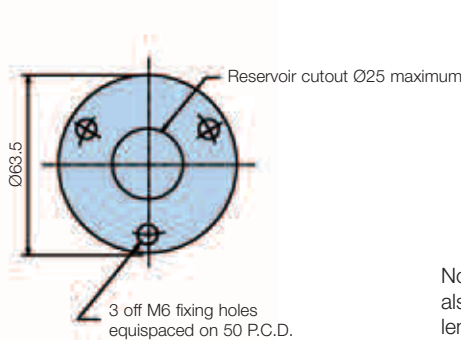
- High capacity air filters designed for the removal of airborne contamination in hydraulic systems to support environmental maintenance.
- Ideal for high flow systems and heavily contaminated environments.
- Disposable spin-on elements quickly and easily replaced.
- 5 micron quality filtration elements.
- 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



Pressurised spin-on air breather stem



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
<b>S.340056</b>	N/A	700 l/min	Unpressurised	60	120	0.6Kg	<b>4930</b>
<b>S.340052</b>	N/A	1500 l/min	Unpressurised	148	208	0.75Kg	<b>588410</b>
<b>S.340058</b>	*S.340058	700 l/min	0.35 Bar	60	120	0.69Kg	<b>4930</b>
<b>S.340059</b>	**S.340059	700 l/min	0.70 Bar	60	120	0.69Kg	<b>4930</b>
<b>S.340054</b>	*S.340054	1500 l/min	0.35 Bar	148	208	0.8Kg	<b>588410</b>
<b>S.340055</b>	**S.340055	1500 l/min	0.70 Bar	148	208	0.8Kg	<b>588410</b>

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

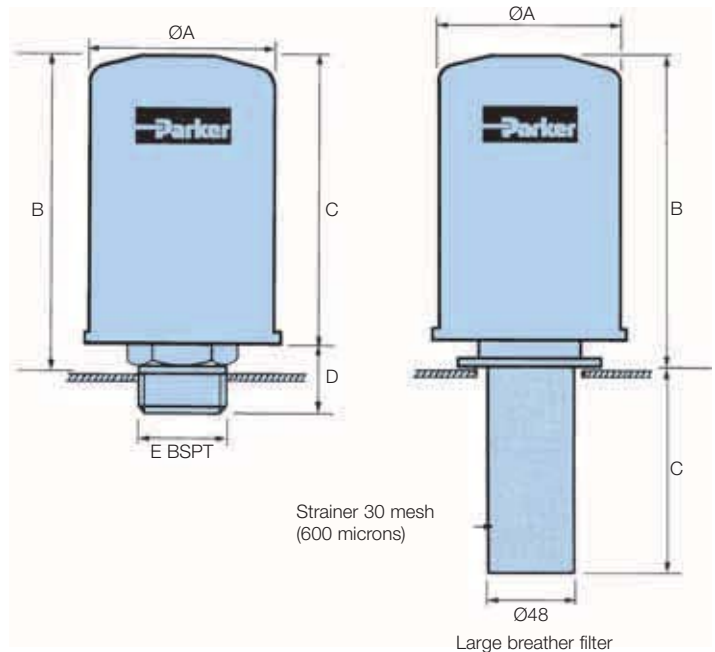
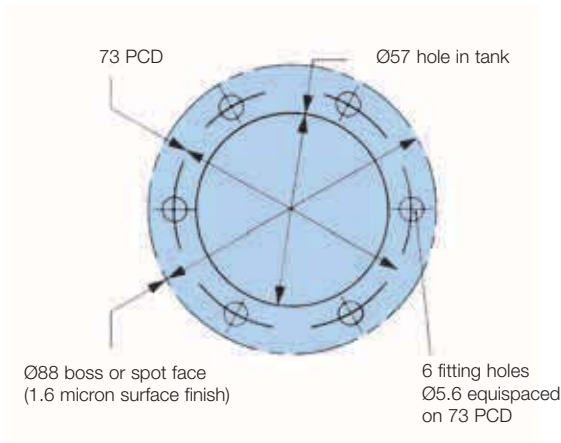
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Note 3: Reservoir must be capable of withstanding pressurisation.



- High capacity air filters 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 quality filtration elements.
- Models available – 1700 l/min and 3000 l/min.

Mounting face for standard and large breather



## 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	Supercedes	Air flow l/min	Dimensions (mm)				Ports
			A	B	C	D	
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	Supercedes	Air flow l/min	Dimensions (mm)			Replacement element complete with bayonet	Supercedes
			A	B	C		
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





# Fluid Level Measurement

Fluid Level Temperature Gauges



# Fluid Level/Temperature Gauges

## Specification



**Construction:**

**Lens** Transparent polyamide.  
**Lens base** Nylon 66.  
**Shroud** High impact polystyrene.  
 No aluminium content.

**Bolts:**

Steel.

**Seals:**

Nitrile.

**Maximum working pressure:**

1 bar.

**Working temperature:**

-30°C to +90°C.

**Fluid compatibility:**

Mineral and petroleum based oils.

**Note:**

A 500mm model with metal shroud finished in black available.

**Recommended bolt tightening torque:**

10 Nm maximum.

**Thermometer scale range:**

+30°C to +90°C.

**Temperature Indicator:**

Blue alcohol.

**Note:**

1. Locate seals in mounting recess before fitting.
2. Select the size required by studying the installation details to determine a part number.

## Size 1 Installation Details

**For 'through hole' mounting:**

Hole size	-Thread-	
	M10	M12
Preferred	11.0	13.0
Maximum	13.0	14.0

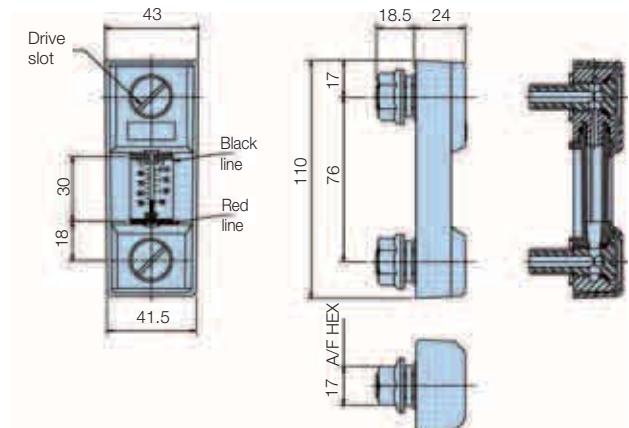
**For tapped holes:**

Holes to be tapped square to mounting face.

Tolerance on hole centres: +0.5  
 -0.2

**For welded back nuts:**

The above details should be combined.



## Installation and Application Information

**Simple to Install**

The universal fixing is designed for either front or rear fixing. Just two holes in the tank – threaded for front fixing – and the gauge is ready to install. After positioning the gauge the bolts are simply tightened to provide a secure seal. There is no fear of leakage with the square section seals and the two-point mounting system eliminates problems with tank distortion. M10 and M12 bolt thread options are available.

**Easy to Read**

The high-visibility lens is one-piece for added security and moulded in shatterproof, transparent polyamide for an accurate and clear oil level and temperature indication. Further gauge protection is provided by a specially designed shroud moulded in high-impact, black polystyrene.

## Size 1 Ordering Information

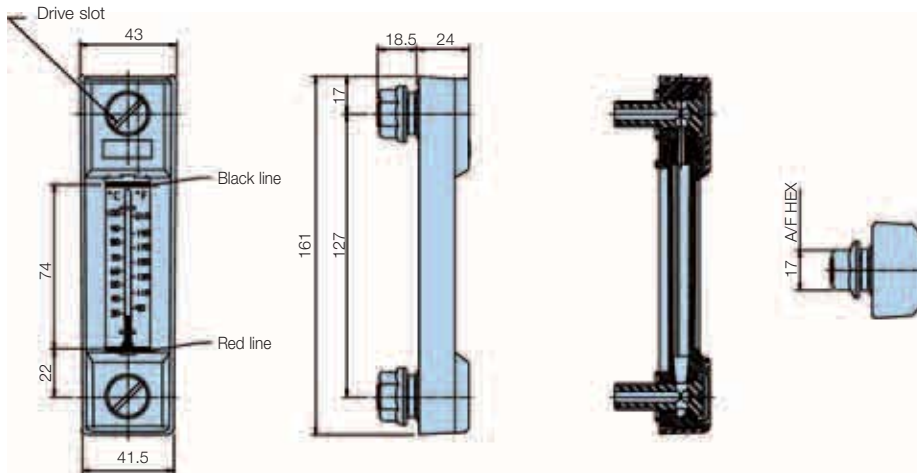
**Standard products table**

Part number	Supersedes	Description	Centres	Thread	Max temp	Weight
<b>FL69121</b>	FLT.121	Fluid level/temp	76mm	M10	90°C	0.13Kg
<b>FL69123</b>	FLT.123	Fluid level/temp	76mm	M12	90°C	0.13Kg
<b>FL69111</b>	FL.111	Fluid level	76mm	M10	90°C	0.13Kg
<b>FL69113</b>	FL.113	Fluid level	76mm	M12	90°C	0.13Kg

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.

## Size 2 Installation Details



## Size 2 Ordering Information

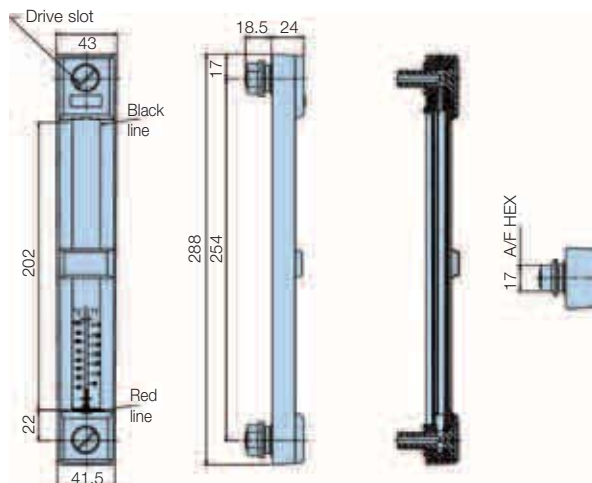
### Standard products table

Part number	Supersedes	Description	Centres	Thread	Max temp	Weight
<b>FL69221</b>	FLT.221	Fluid level/temp	127mm	M10	90°C	0.15Kg
<b>FL69223</b>	FLT.223	Fluid level/temp	127mm	M12	90°C	0.15Kg
<b>FL69211</b>	FL.211	Fluid level	127mm	M10	90°C	0.15Kg
<b>FL69213</b>	FL.213	Fluid level	127mm	M12	90°C	0.15Kg

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.

## Size 3 Installation Details



## Size 3 Ordering Information

### Standard products table

Part number	Supersedes	Description	Centres	Thread	Max temp	Weight
<b>FL69321</b>	FLT.321	Fluid level/temp	254mm	M10	90°C	0.23Kg
<b>FL69323</b>	FLT.323	Fluid level/temp	254mm	M12	90°C	0.23Kg
<b>FL69311</b>	FL.311	Fluid level	254mm	M10	90°C	0.23Kg
<b>FL69313</b>	FL.313	Fluid level	254mm	M12	90°C	0.23Kg

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.



# Reservoir Float & Level Switches



## Reservoir Equipment

# FL Series

## Adjustable Float Switch

### Features & Benefits



The **FL Series** is a range of vertically mounted, single float level switches operating on the proven reed switch and magnet principle.

The **FL Series** float switch can be tailored by the user for a particular application, by adjusting the length of the float switch tube. It is also possible for the user to select the switching configuration by inverting the float, giving either open on rise or close on rise operation.

The unit is supplied part assembled, with detailed instructions for the user to complete assembly to the specifications of the application and to install the unit.

### Float Switch Features Include:

- Float switches can be adjusted on site
- They can be fitted with a thermostatic switch
- Reliable design using reed switches
- Different types of mounting can be specified
- 3 lengths available, 500mm, 1000mm and 1500mm

The **FL Series** is designed to be adjusted by the user to fit their tank. The unit consists of a stem with the reed switch, thermal switch (if fitted) and float already set in position. The customer can cut the stem to fit their tank, and assemble it to the header. The unit is then ready to be fitted to the tank.

The unit has a factory set "Open On Rise" switching configuration, but this can be changed by reversing the float. The common temperature switches used are 60°C "Open On Rise" or 60°C "Close On Rise". However, other temperature specifications may be obtained on request. A standard DIN 43650 connector is supplied with the unit.

### Typical Specification

#### Installation

Mounting: 1" BSP threaded header  
Gasket: 2.0mm thick sealing washer  
Length: Adjustable up to 1500mm

#### Electrical specification

Supply voltage: 240 Vac maximum  
300 Vdc maximum

Switching current: 0.5A

#### Thermostat ratings

Normal voltage: 250V  
Current rating: 4A (10A max)

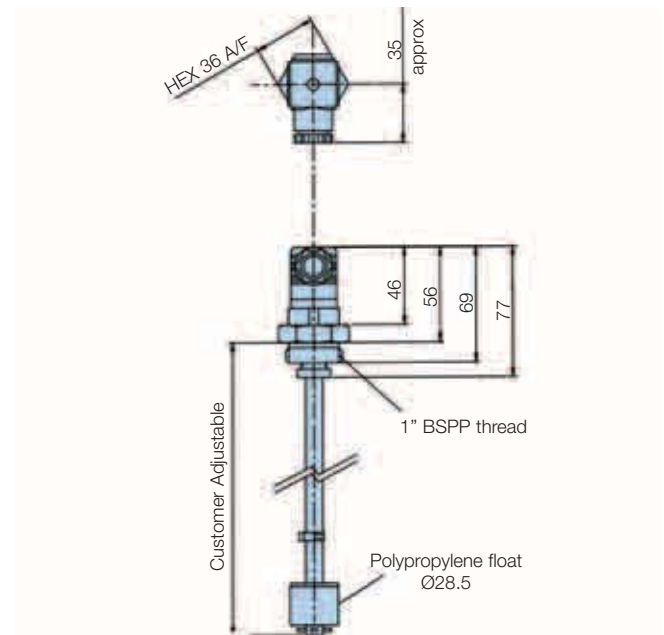
#### Material specification

Header: Brass                      Stem: Brass  
Float: Polypropylene          Gasket: Klingsil grade C4324 to BS7531 grade Y

#### Other parameters

Fluid types: Any liquids compatible with brass and polypropylene

### Installation Drawing



### Ordering Information

#### Standard products table

Part number	Supercedes	Description
<b>FL050010R</b>	FL-0500-1-0R	500mm long float level switch
<b>FL100010R</b>	FL-1000-1-0R	1000mm long float level switch
<b>FL150010R</b>	FL-1500-1-0R	1500mm long float level switch

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.

## Reservoir Equipment

# CLS46

## Capacitive Level Switch

### Features & Benefits



The **CLS46 Liquid Level Switch** is an active device which is designed to give an alarm signal if fluid falls below a preset level. It will only give an output signal after a few seconds of low level to eliminate false alarms due to turbulence. The fact that the **CLS46 Series** has no moving parts and incorporates a built in delay means that it is ideal in applications where mechanically operated switches mis-trigger due to vibration and fluid turbulence.

### Features Include:

- Rugged construction
- Simple to install
- Delay circuitry prevents false alarms
- Purely electronic, no moving components
- Integrated test feature

The **CLS46 Capacitive Level Switch** is designed to detect the loss of fluid below its position in the tank.

The **CLS46 Series** has no moving parts and it is therefore suitable for all applications, particularly where space and access inside a vessel is at a minimum.

The **CLS46 Series** compliments the existing range of level measurement instrumentation supplied by Parker Hannifin.

### Technical Specification

Dimensions: See drawing

#### Electrical rating:

Supply voltage: 7-40 Vdc      Supply current: 3.0mA  
 Max. load current: 1.0A      Alarm delay time: 10.0 seconds

#### Connections:

V+: Positive power supply  
 GND: Negative power supply or GND  
 Output: Transistor switched to GND on alarm  
 Test: Ground to operate  
 Body: Connected to ground

#### Fluid types:

Water based fluids compatible with brass, PTFE and fluoro silicone

#### Construction:

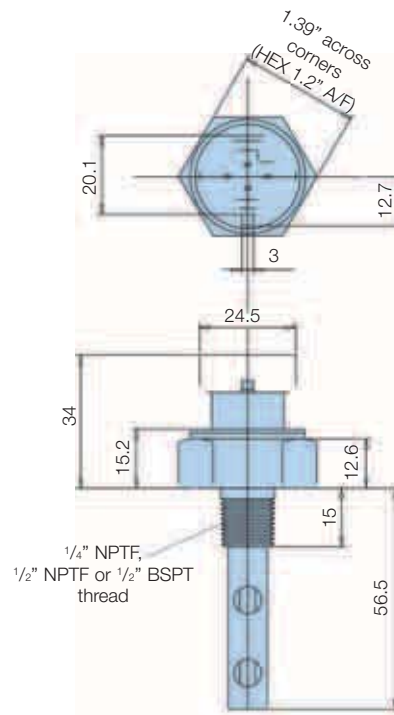
Body: Brass      Probe: PTFE  
 Terminals: SAE CA210 brass, tin plated  
 Seals: Fluoro silicone  
 Connector: 30% glass filled nylon 6

#### Environmental ratings

Max. pressure: 5.0 bar (72 PSI)  
 Temp. ranges: Fluid: -40°C to +130°C  
                   Ambient: -40°C to +100°C  
                   Storage: -50°C to +140°C

Sealing: IP67  
 Vibration: 6g 10-50Hz (600-3000rpm)  
 Shock: 50g, 6.3mS  
 Weight: 53g

### Installation Details



### Ordering Information

#### Standard products table

Part number	Description
<b>CLS46</b>	Capacitive fluid level sensor
CLS46Connector	Capacitive fluid level sensor connector

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.

Reservoir Equipment

# Fluid Power Products



Hydraulic system protection from Parker is further confirmed with a quality range of fluid power products that include suction strainers, check valves pressure gauges and a pipe clamping system that will ensure secure pipe installations.

For information on Parker Filtration products and technology:

Tel: +44(0)1924 487000 Fax: +44(0)1924 487001 Email: [filtrationinfo@parker.com](mailto:filtrationinfo@parker.com)



# Strainers



# Suction Elements

## Specification



**Construction:**

Stainless steel media 30% glass filled nylon head. Zintec centre tube. Epoxy adhesives.

**Maximum working temperature:**  
90°C.

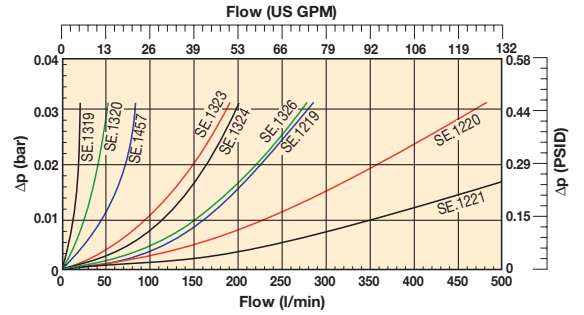
**Filtration media:**  
125 micron\*.

**Flow range:**  
15-500 l/min.

**Bypass rating:**  
0.17 bar.

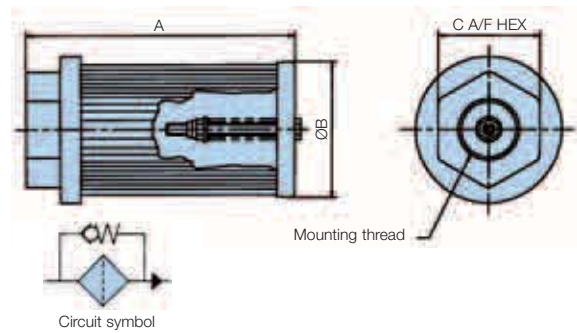
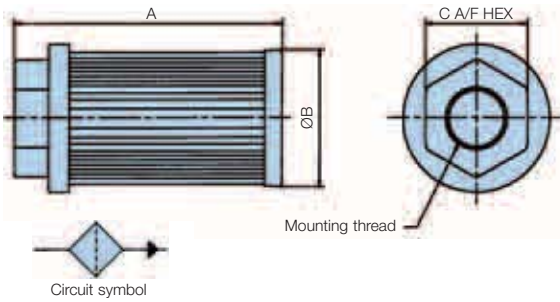
**Mounting threads:**  
G1/2 up to G3.

\* 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	Air flow l/min	Ports BSP	Micron rating	Dimensions (mm)			Weight	Bypass rating
					A	B	C		
<b>SE75111110</b>	SE.1319	15	1/2	125	105.5	46	36	0.08	N/A
<b>SE75221110</b>	SE.1320	25	3/4	125	109.5	64	46	0.15	N/A
<b>SE75231210</b>	SE.1547	50	1	125	139.5	64	55	0.17	N/A
<b>SE75351210</b>	SE.1323	95	1 1/2	125	140	86	65	0.28	N/A
<b>SE75351310</b>	SE.1324	130	1 1/2	125	200	86	65	0.33	N/A
<b>SE75361410</b>	SE.1326	180	2	125	260	86	75	0.40	N/A
<b>SE75461210</b>	SE.1219	225	2	125	150	150	70	0.64	N/A
<b>SE75471310</b>	SE.1220	350	2 1/2	125	212	150	90	0.72	N/A
<b>SE75481410</b>	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	Air flow l/min	Ports BSP	Micron rating	Dimensions (mm)			Weight	Bypass rating
					A	B	C		
<b>SE75111111</b>	SE.5100	15	1/2	125	105.5	46	36	0.08	0.17 bar
<b>SE75221111</b>	SE.5101	25	3/4	125	109.5	64	46	0.15	0.17 bar
<b>SE75231211</b>	SE.5102	50	1	125	139.5	64	55	0.17	0.17 bar
<b>SE75351211</b>	SE.5103	95	1 1/2	125	140	86	65	0.28	0.17 bar
<b>SE75351311</b>	SE.5104	130	1 1/2	125	200	86	65	0.33	0.17 bar
<b>SE75361411</b>	SE.5105	180	2	125	260	86	75	0.40	0.17 bar
<b>SE75461211</b>	SE.5106	225	2	125	150	150	70	0.64	0.17 bar
<b>SE75471311</b>	SE.5107	350	2 1/2	125	212	150	90	0.72	0.17 bar
<b>SE75481411</b>	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

## Installation Details



### Specification

**Construction:**

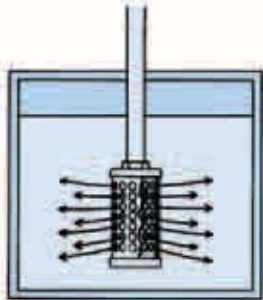
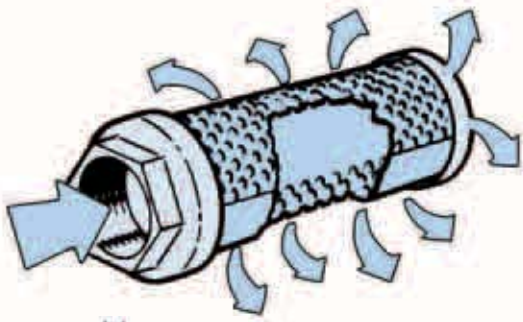
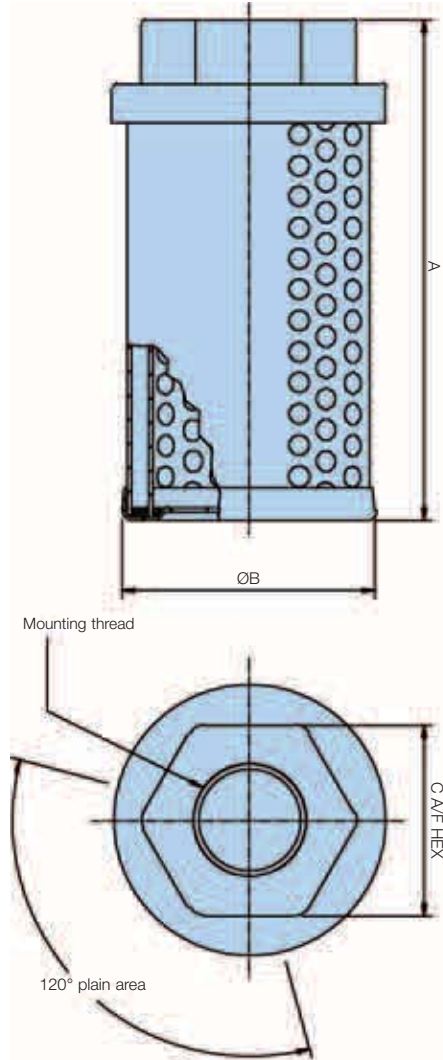
Zintec body.  
30% glass-filled nylon head.  
Zintec end cap.  
Epoxy adhesives.

**Flow range:**

50 l/min up to 454 l/min.

**Mounting threads:**

G<sup>3/4</sup> up to G2.



**The effect of fitting a diffuser**

Note: When installing a diffuser the plain area on the outside must be facing the pump inlet.

**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	Air flow l/min	Ports BSP	Dimensions (mm)			Weight
			A	B	C	
<b>2201</b>	140	1	127	86	55	0.42
<b>2202</b>	227	1 1/2	178	86	65	0.56
<b>2210</b>	100	3/4	120	62	46	0.27
<b>2203</b>	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.

## Reservoir Equipment

# Inline Filters

### Metal Inline Filter - Specification



**Construction:**  
Head – zinc.  
Bowl – Aluminium  
BS1470/1050A. 1987.  
**Element:**  
Zintec/Stainless steel.  
125 micron\*.

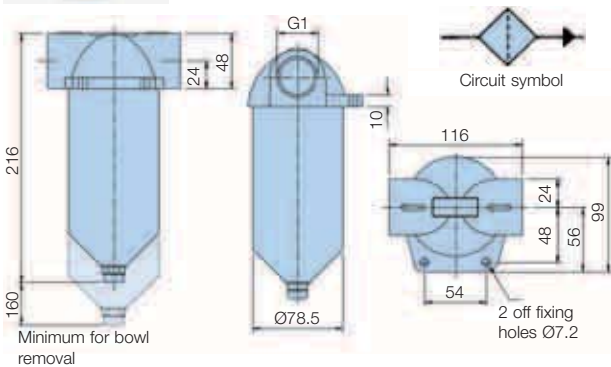
**Max. flow:**  
90 l/min.  
**Max working pressure:**  
7 bar.  
**Thread:**  
G1.

**Working temperature:**  
-30°C to +80°C.  
**Seal:**  
Nitrile.  
**Bowl tightening torque:**  
12 Nm.

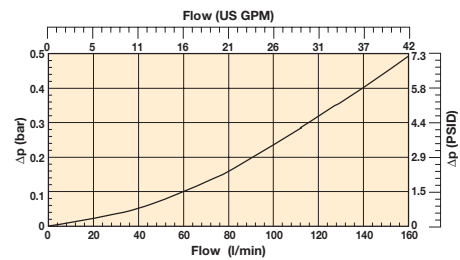
**Flow direction:**  
From outside to inside.  
**Weight:**  
1.5 Kg.  
\*Alternative media can be specified.

### 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
<b>IL1115</b>	90	G1	125	<b>EIL1115</b>	E.L.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.

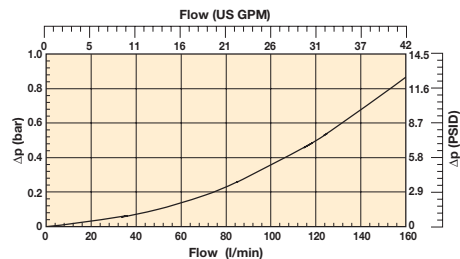
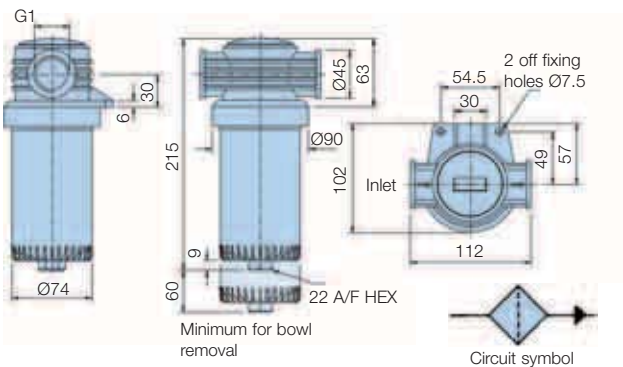
**Max working pressure:**  
7 bar.  
**Thread:**  
G1.  
\*For alternative media consult Parker Filtration  
Note: When using with water, protect from freezing.

**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
<b>IL761151</b>	IL.1151	1	Oil	125	0.5	<b>R.76115</b>
<b>IL761251</b>	IL.1251	1	Water	125	0.5	<b>R.76125</b>

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.

# Drive Couplings

## Technical Data



### Materials

**Coupling halves**  
Sintered Steel

**Sleeve**  
Nylon 66

**Max temp sleeve**  
83°C

To select coupling model check application to establish running load condition.

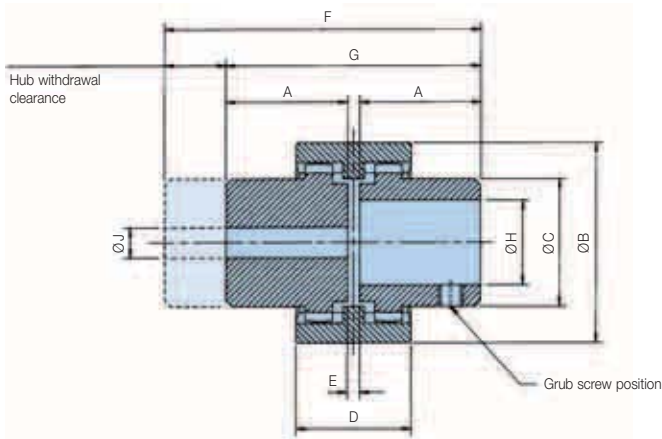
Check chart for factor (F) and apply factor (F) to \*Rating of coupling formulae. This answer you now apply to \*Rating/100 rev/min below.

It is advisable always to check shaft sizes being used on application and check with dimension 'H'.

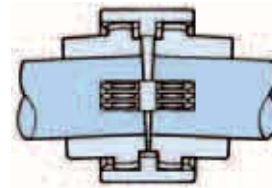
Application	Factor (F)	
	Electric motor	Petrol/diesel engine
Uniform load	1.00	1.20
Medium shock	1.25	1.50
Heavy shock	1.75	2.00

$$\text{*Rating of coupling} = \frac{\text{HP of application} \times 100 \times F}{\text{rev/min of application}}$$

## Installation Details



### Sectioned detail



Part number prefix	Max speed rev/min	*Rating/ 100 rev/min		Weight	A mm	B mm	C mm	D mm	E mm	F mm	G mm	max bore	-H- min bore	J pilot bore
DC28*	5000	0.75	1.00	0.4	40.0	66.0	44.5	38.0	4.0	104.0	84.0	28.0	10.0	7.0
DC42*	5000	1.32	1.75	0.75	42.0	90.0	60.0	42.0	4.0	115.0	88.0	42.0	14.0	10.5
DC55*	4000	6.00	8.00	2.05	59.0	125.0	83.0	65.0	4.0	158.0	122.0	55.0	19.0	16.0 min 38.1 max

### Height of keyway from base of bore

	Metric	Imperial
Standard bore	BS 4500, (1985)	BS 1916, Part 1, (1985)
Standard keyway	BS 4325, Part 1 (1980)	BS 46, Part 1, (1985)

### Assembly data

1. Maximum angular misalignment is ±2°. Maximum radial misalignment is ±0.4mm.
2. Ensure that the Parker Filtration drive coupling gear hubs are an easy fit to their respective shafts. Do not use heavy blows to force the hubs on.
3. When in position, the hubs should have a gap of 4mm as denoted by 'E' dimension.
4. Tighten grub screws to locate both gear hubs on to their respective shafts.

## Ordering Examples

Parker Filtration drive coupling components are ordered separately. Here are three examples of complete assemblies ordered this way.

1. Complete assembly – **DC28M14B04K**  
Made up of a **DC28M14**  
**DC28B04K**  
**DC28.S** (Sleeve)

Complete model **DC28** drive coupling: One gear hub has 14mm bore with 5mm wide keyway and other hub has a 1/2" bore with 0.125" wide keyway.

Both hubs supplied with locating grub screw.

2. Complete assembly – **DCR42PBPB**  
Made up of 2x **DCR42PB's**  
**DC42S** (Sleeve)

Complete model **DC42** drive coupling: Both gear hubs have pilot bore of 10.5mm. Not supplied with grub screws.

3. Complete assembly – **DCR55PBB12K**  
Made up of a **DCR55PB**  
**DC55B12K**  
**DC55S** (Sleeve)

Complete model **DC55** drive coupling: One gear hub pilot bored 5/8", the other hub pilot bored 1 1/2". Latter only supplied with grub screw.

# Drive Couplings

## Ordering Information

### Model DC.28

Part number	Supersedes	Dimensions (mm)			Weight
		Ø Bore	Width	Height	
<b>DC28M16</b>	DC.28.M16	16.0mm	5.0mm	18.4mm	Range from 0.259Kg to 0.411Kg
<b>DC28M19</b>	DC.28.M19	19.0mm	6.0mm	21.9mm	
<b>DC28M20</b>	DC.28.M20	20.0mm	6.0mm	22.9mm	
<b>DC28M22</b>	DC.28.M22	22.0mm	6.0mm	24.9mm	
<b>DC28M24</b>	DC.28.M24	24.0mm	8.0mm	27.5mm	
<b>DC28M25</b>	DC.28.M25	25.0mm	8.0mm	28.5mm	
<b>DC28M28</b>	DC.28.M28	28.0mm	8.0mm	31.5mm	
<b>DCR28PB</b>	DCR.28.PB	N/A	8.0mm	N/A	
<b>DC28S</b>	DC.28.S	N/A	N/A	N/A	
<b>DC28M10</b>	DC.28.M10	10.0mm	3.0mm	11.5mm	
<b>DC28M11</b>	DC.28.M11	11.0mm	4.0mm	12.9mm	
<b>DC28M14</b>	DC.28.M14	14.0mm	5.0mm	16.4mm	
<b>DC28M18</b>	DC.28.M18	18.0mm	6.0mm	20.9mm	
DC28B03K	DC.28.B03K	7/16	0.125 ins	0.50 ins	
DC28B04K	DC.28.B04K	1/2	0.125 ins	0.57 ins	
DC28B05K	DC.28.B05K	5/8	0.188 ins	0.72 ins	
DC28B06K	DC.28.B06K	3/4	0.188 ins	0.84 ins	
DC28B07K	DC.28.B07K	7/8	0.250 ins	0.99 ins	
DC28B08K	DC.28.B08K	1	0.250 ins	1.12 ins	
DC28B09K	DC.28.B09K	1 1/8	0.313 ins	1.24 ins	

### Model DC.42

Part number	Supersedes	Dimensions (mm)			Weight
		Ø Bore	Width	Height	
<b>DC42M25</b>	DC.42.M25	25.0mm	8.0mm	28.5mm	Range from 0.436Kg to 0.753Kg
<b>DC42M28</b>	DC.42.M28	28.0mm	8.0mm	31.5mm	
<b>DC42M30</b>	DC.42.M30	30.0mm	8.0mm	33.5mm	
<b>DC42M35</b>	DC.42.M35	35.0mm	10.0mm	38.5mm	
<b>DC42M38</b>	DC.42.M38	38.0mm	10.0mm	41.5mm	
<b>DC42M42</b>	DC.42.M42	42.0mm	12.0mm	45.5mm	
<b>DCR42PB</b>	DCR.42.PB	N/A	12.0mm	N/A	
<b>DC42S</b>	DC.42.S	N/A	N/A	N/A	
<b>DC42M18</b>	DC.42.M18	18.0mm	6.0mm	20.9mm	
<b>DC42M19</b>	DC.42.M19	19.0mm	6.0mm	21.9mm	
<b>DC42M20</b>	DC.42.M20	20.0mm	6.0mm	22.9mm	
<b>DC42M22</b>	DC.42.M22	22.0mm	6.0mm	24.9mm	
<b>DC42M24</b>	DC.42.M24	24.0mm	8.0mm	27.5mm	
<b>DC42M32</b>	DC.42.M32	32.0mm	10.0mm	35.5mm	
DC42B05K	DC.42.B05K	5/8	0.188 ins	0.72 ins	
DC42B06K	DC.42.B06K	3/4	0.188 ins	0.84 ins	
DC42B07K	DC.42.B07K	7/8	0.250 ins	0.99 ins	
DC42B08K	DC.42.B08K	1	0.250 ins	1.12 ins	
DC42B09K	DC.42.B09K	1 1/8	0.313 ins	1.24 ins	
DC42B10K	DC.42.B10K	1 1/4	0.313 ins	1.37 ins	
DC42B11K	DC.42.B11K	1 3/8	0.375 ins	1.49 ins	
DC42B12K	DC.42.B12K	1 1/2	0.375 ins	1.61 ins	
DC42B13K	DC.42.B13K	1 5/8	0.439 ins	1.76 ins	

### Model DC.55

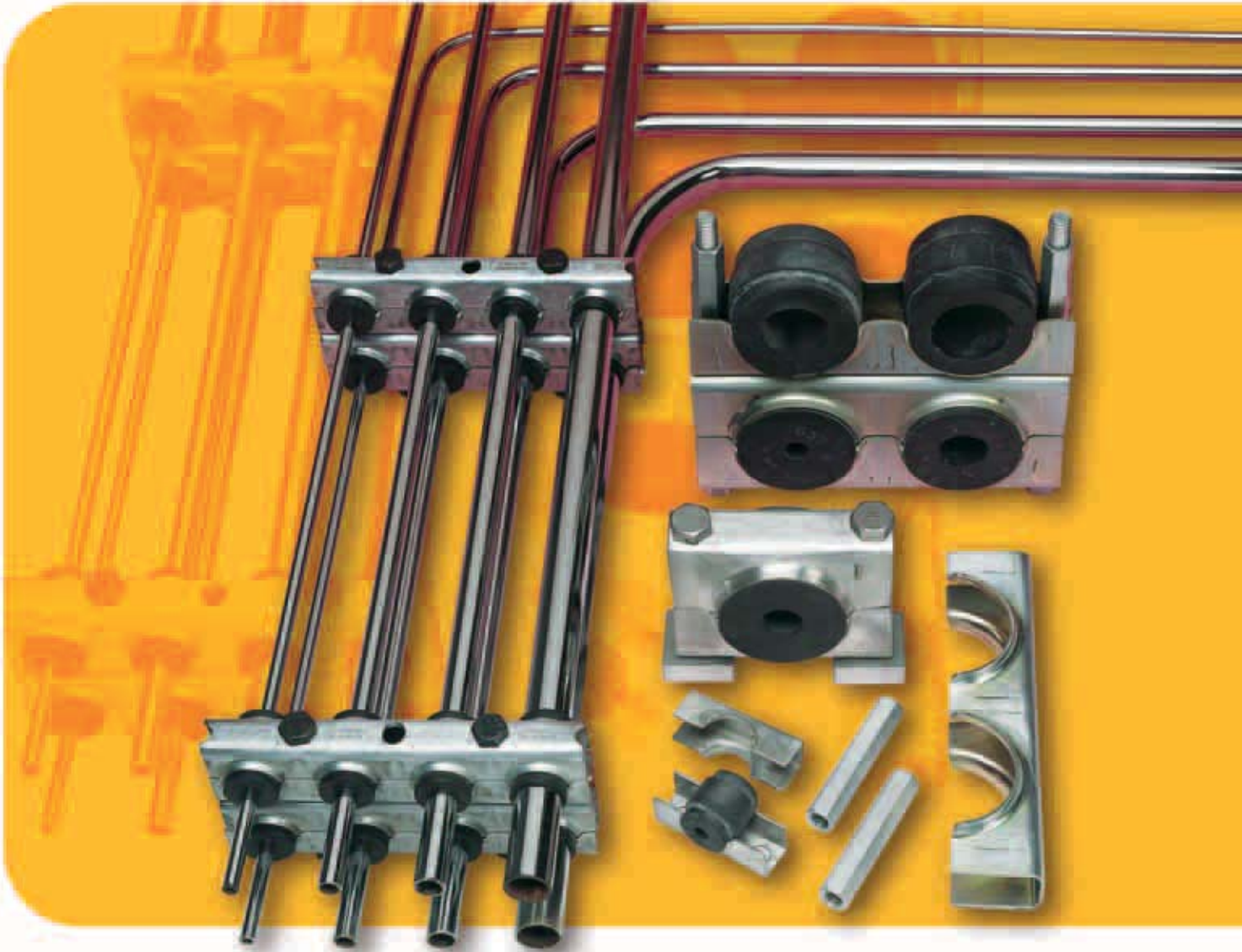
Part number	Supersedes	Dimensions (mm)			Weight
		Ø Bore	Width	Height	
<b>DCR55PB</b>	DCR.55.PB	N/A	16.0mm	N/A	Range from 1.248 Kg - 2.046 Kg
<b>DC55S</b>	DC.55.S	N/A	N/A	N/A	
<b>DC55M25</b>	DC.55.M25	25.0mm	8.0mm	28.5mm	
<b>DC55M28</b>	DC.55.M28	28.0mm	8.0mm	33.5mm	
<b>DC55M30</b>	DC.55.M30	30.0mm	8.0mm	33.5mm	
<b>DC55M32</b>	DC.55.M32	32.0mm	10.0mm	35.5mm	
<b>DC55M35</b>	DC.55.M35	35.0mm	10.0mm	38.5mm	
<b>DC55M38</b>	DC.55.M38	38.0mm	10.0mm	41.5mm	
<b>DC55M42</b>	DC.55.M42	42.0mm	12.0mm	45.5mm	
<b>DC55M55</b>	DC.55.M55	55.0mm	16.0mm	59.5mm	
<b>DC55B09K</b>	DC.55.B09K	1 1/8	0.313 ins	1.24 ins	
<b>DC55B10K</b>	DC.55.B10K	1 1/4	0.313 ins	1.37 ins	
<b>DC55B11K</b>	DC.55.B11K	1 3/8	0.375 ins	1.49 ins	
<b>DC55B12K</b>	DC.55.B12K	1 1/2	0.375 ins	1.61 ins	
<b>DC55B13K</b>	DC.55.B13K	1 5/8	0.439 ins	1.76 ins	
<b>DC55B14K</b>	DC.55.B14K	1 3/4	0.439 ins	1.89 ins	
<b>DC55B15K</b>	DC.55.B15K	1 7/8	0.501 ins	2.01 ins	
<b>DC55B16K</b>	DC.55.B16K	2	0.501 ins	2.13 ins	
<b>DC55B17K</b>	DC.55.B17K	2 1/8	0.626 ins	2.31 ins	

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.

Pipe Clamp System

# Multiclamp



# Multiclamp



**When only the best Clamping System will do ....specify Multiclamp**

Multiclamp is a system. A system of components, each one engineered to a high standard – that together build to provide effective, all-purpose pipework clamping. Multiclamp offers creative and cost-effective environmental benefits to the system designer and installer. Creating accurate runs of varying diameter tubes, pipes, hoses and cables in all industries.

**Secure Multiclamp installations ensure a leak free, noise free and vibration free system.**

The neat design of pipe line runs offers easy maintenance of machinery and plant equipment. Visual planning of line runs is straightforward with Multiclamp – accurate installations can be achieved without skilled labour – keeping costs down and quality up.

**Planning with Multiclamp**

These notes have been compiled to assist in planning your Multiclamp system.

Multiclamp offers considerable flexibility. For example, it can fit in with a factory installation that is being built in phases.

Should a last minute change in pipe diameter occur during installation, an alternative rubber bush is likely to be all that is required. Not a complete and expensive re-think of the installation.

Multiclamp metal components can be sprayed to match a vehicle livery or plant installation and, if installed properly, should require no maintenance.

**Installation is simple and requires no experience**

Anyone can use Multiclamp and only the basic, everyday tools are required.

From one pipe to almost any number – because each Multiclamp ‘position’ can be visually sighted and its position adjusted – an almost guaranteed straight run can be obtained. Equally, changes of plane or direction can be achieved simply and securely.

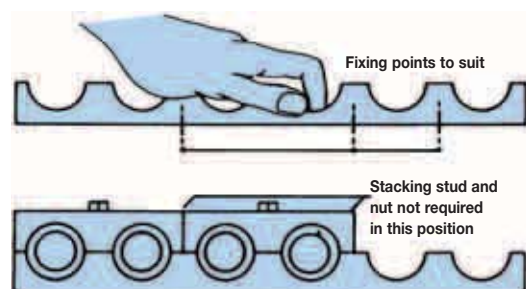
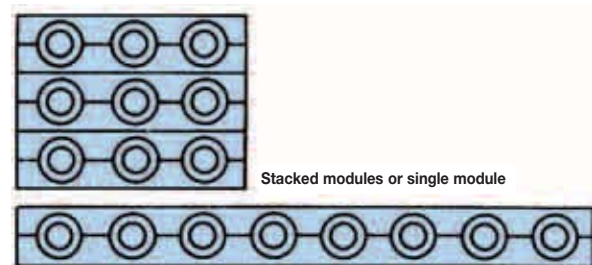
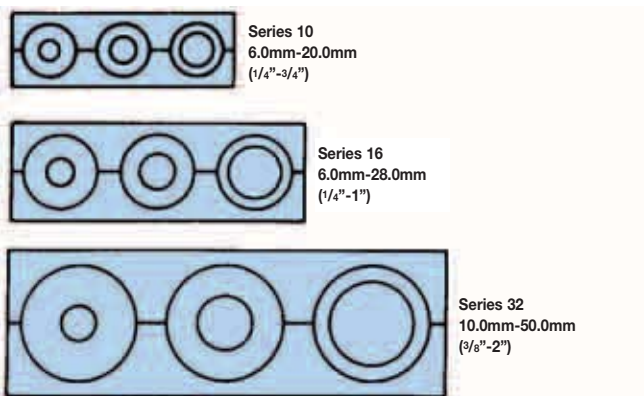
Group pipe sizes together to obtain the most economical use of three basic Multiclamp Series.

Some sites will require all pipes mounted in one single plane – either vertical or horizontal.

When stacked modules are preferred, the only work to be done on the Multiclamp is to saw off the desired length.

If a large number of pipe lines are to be run, it is recommended that the upper clamping unit is simply cut into two lines only, and progressively assembled by securing two pipes at a time. It will be recognised that most odd lengths on site will be used, and one man can easily cope with a large number of pipe lines by this simple progressive build up. This assembly will provide easy access for servicing and replacing pipes. This method also reduces the quantity of Stacking Nuts and Studs by 50%.

If a factory installation is being built in phases, it would be wise to leave the first phase with a lower clamping unit and Stacking Nuts in position ready to receive pipe runs for the next building phase.



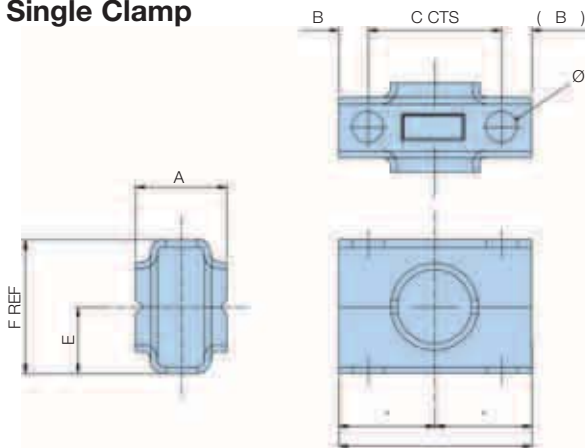
Your maximum pipe size will determine the series to use. There is a degree of versatility provided by the rubber bushes. You choose from single or multistacked Multiclamp, whichever suits your particular installation requirements.



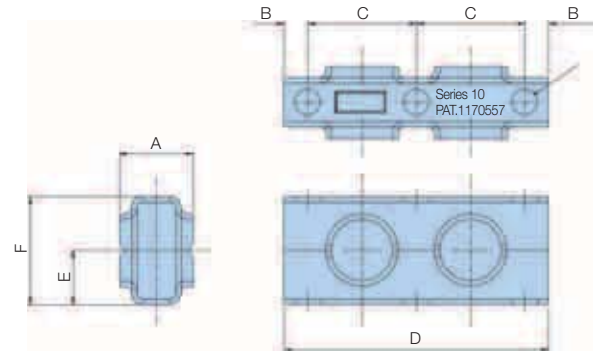
## Specification

Dimension details supplied in product configurator

### Single Clamp

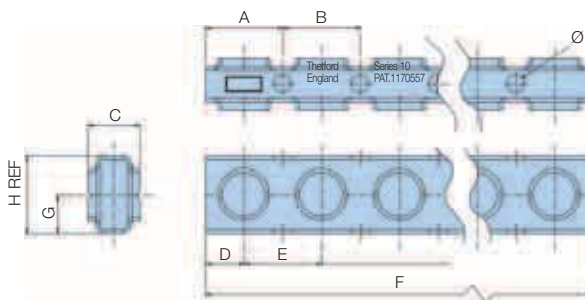


### Double Clamp



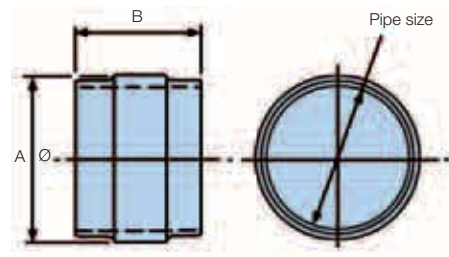
### Multiclamp – 12 or 16 holes

1 set of clamping units = 1 pair



### Split Bushes

Split bushes are ordered in sets only  
i.e. 1 set of bushes = 10 bushes of one size



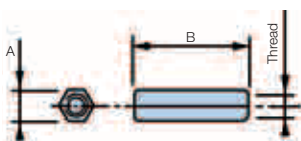
## Material Specifications

Zinc plated steel with anti-corrosive, full passivate. Multiclamp can also be multi-stacked using stacking studs and nuts. Series 10 and 16 clamp is supplied in lengths of 603mm and Series 32 in lengths of 1206mm. These can be simply cut to the required lengths for installation.

Note: For stainless steel version please consult Parker.

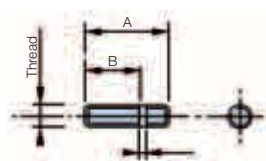
Series 10 will accept pipe or hose diameters from 6mm up to 20mm maximum. Series 16 from 6mm up to 28mm and Series 32 from 10mm up to 50mm. Across the 3 Series, there are 26 different high-quality split rubber bushes to select from to cope with any combination and number of different pipe and hose diameters in the same run.

### Stacking Nuts



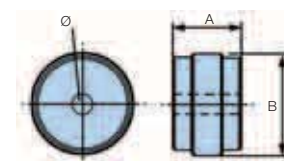
Stacking nuts are ordered in sets only.  
i.e. 1 set of stacking nuts  
= 50 stacking nuts of one size.

### Stacking Studs



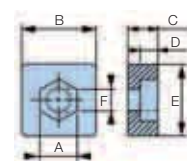
Stacking studs are ordered in sets only.  
i.e. 1 set of stacking studs  
= 50 stacking studs of one size.

### Mounting Adaptors



Mounting adaptors are not ordered in sets.  
i.e. 1 off mounting adaptors  
= 1 single piece.

### Weld Plate



Weld plates are ordered in sets only.  
i.e. 1 set of weld plates  
= 10 weld plates.

# Multiclamp

## Ordering Information - Series 10

### Product configurator

Part number	Supercedes	Description	Pack quantity	Dimensions (mm)									Thread	Pack weight
				A	B	C	D	E	F	G	H	Ø		
<b>MC101</b>	MC.10.1	Single clamp	10 pairs	25.0	8.5	38.1	55.0	19.0	38.0				9.0	0.60 Kg
<b>MC102</b>	MC.10.2	Double clamp	10 pairs	25.0	8.5	38.1	93.0	19.0	38.0				9.0	1.00 Kg
<b>MC1016</b>	MC.10.16	16 bay clamp	1 pair	34.0	38.1	25.0	15.0	38.1	601.5	19.0	38.0	9.0		0.80 Kg
<b>MCN10</b>	MC.N.10	Stacking nut	50	11.0	33.0								M8 x 1.25	0.80 Kg
<b>MCS10</b>	MC.S.10	Stacking stud	50	32.0	21.0	2.6							M8 x 1.25	0.50 Kg
<b>MCWP10</b>	MC.WP.10	Weld plate	10	13.3	25.0	10.0	6.3	25.0	8.5					0.35 Kg
<b>MCSB10</b>	MC.SB.10	Standard bolt	50										M8 x 1.25	0.55 Kg
MCB10MO	MC.B.10.MO	Mounting adaptor	1	27.0	25.0								8.7	0.02 Kg

Part number	Supercedes	Description	Pack quantity	Dimensions (mm)		Paper size		Pack weight
				A	B	(mm)	OD	
<b>MCG105</b>	MC.G.10.5	Split bush	10	25.5	27.0	8	5/16	0.13 Kg
<b>MCG106</b>	MC.G.10.6	Split bush	10	25.5	27.0	10	3/8	0.12 Kg
<b>MCG108</b>	MC.G.10.8	Split bush	10	25.5	27.0	12-14	1/2	0.12 Kg
<b>MCG1010</b>	MC.G.10.10	Split bush	10	25.5	27.0	15-16	5/8	0.10 Kg
<b>MCG1012</b>	MC.G.10.12	Split bush	10	25.5	27.0	18-20	3/4	0.90 Kg
<b>MCG104</b>	MC.G.10.4	Split bush	10	25.5	27.0	6	1/4	0.13 Kg

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 - Series 16

### Product configurator

Part number	Supercedes	Description	Pack quantity	Dimensions (mm)									Thread	Pack weight
				A	B	C	D	E	F	G	H	Ø		
<b>MC161</b>	MC.16.1	Single clamp	10 pairs	25.0	7.0	50.8	65.0	23.8	47.6				9.0	0.80 Kg
<b>MC162</b>	MC.16.2	Double clamp	10 pairs	25.0	7.0	50.8	116.0	23.8	47.6				9.0	1.60 Kg
<b>MC1612</b>	MC.16.12	12 bay clamp	1 pair	47.0	50.8	25.0	21.0	50.8	608.8	25.0	51.0	9.0		1.00 Kg
<b>MCN16</b>	MC.N.16	Stacking nut	50	11.0	44.0								M8 x 1.25	1.06 Kg
<b>MCS10</b>	MC.S.10	Stacking stud	50	32.0	21.0	2.6							M8 x 1.25	0.50 Kg
<b>MCWP10</b>	MC.WP.10	Weld plate	10	13.3	25.0	10.0	6.3	25.0	8.5					0.35 Kg
<b>MCSB10</b>	MC.SB.10	Standard bolt	50										M8 x 1.25	0.55 Kg
MCB16MO	MC.B.16.MO	Mounting adaptor	1	27.0	36.0								8.7	0.06 Kg

Part number	Supercedes	Description	Pack quantity	Dimensions (mm)		Paper size		Pack weight
				A	B	(mm)	OD	
<b>MCG165</b>	MC.G.16.5	Split bush	10	35.4	27.0	8	5/16	0.28 Kg
<b>MCG166</b>	MC.G.16.6	Split bush	10	35.4	27.0	10	3/8	0.28 Kg
<b>MCG168</b>	MC.G.16.8	Split bush	10	35.4	27.0	12-14	1/2	0.26 Kg
<b>MCG1610</b>	MC.G.16.10	Split bush	10	35.4	27.0	15-16	5/8	0.22 Kg
<b>MCG1612</b>	MC.G.16.12	Split bush	10	35.4	27.0	18-20	3/4	0.20 Kg
<b>MCG1614</b>	MC.G.16.14	Split bush	10	35.4	27.0	22.0	7/8	0.18 Kg
<b>MCG1616</b>	MC.G.16.16	Split bush	10	35.4	27.0	25.0	1	0.14 Kg
<b>MCG1618</b>	MC.G.16.18	Split bush	10	35.4	27.0	28.0		0.16 Kg
<b>MCG164</b>	MC.G.16.4	Split bush	10	35.4	27.0	6	1/4	0.28 Kg

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 - Series 32

### Product configurator

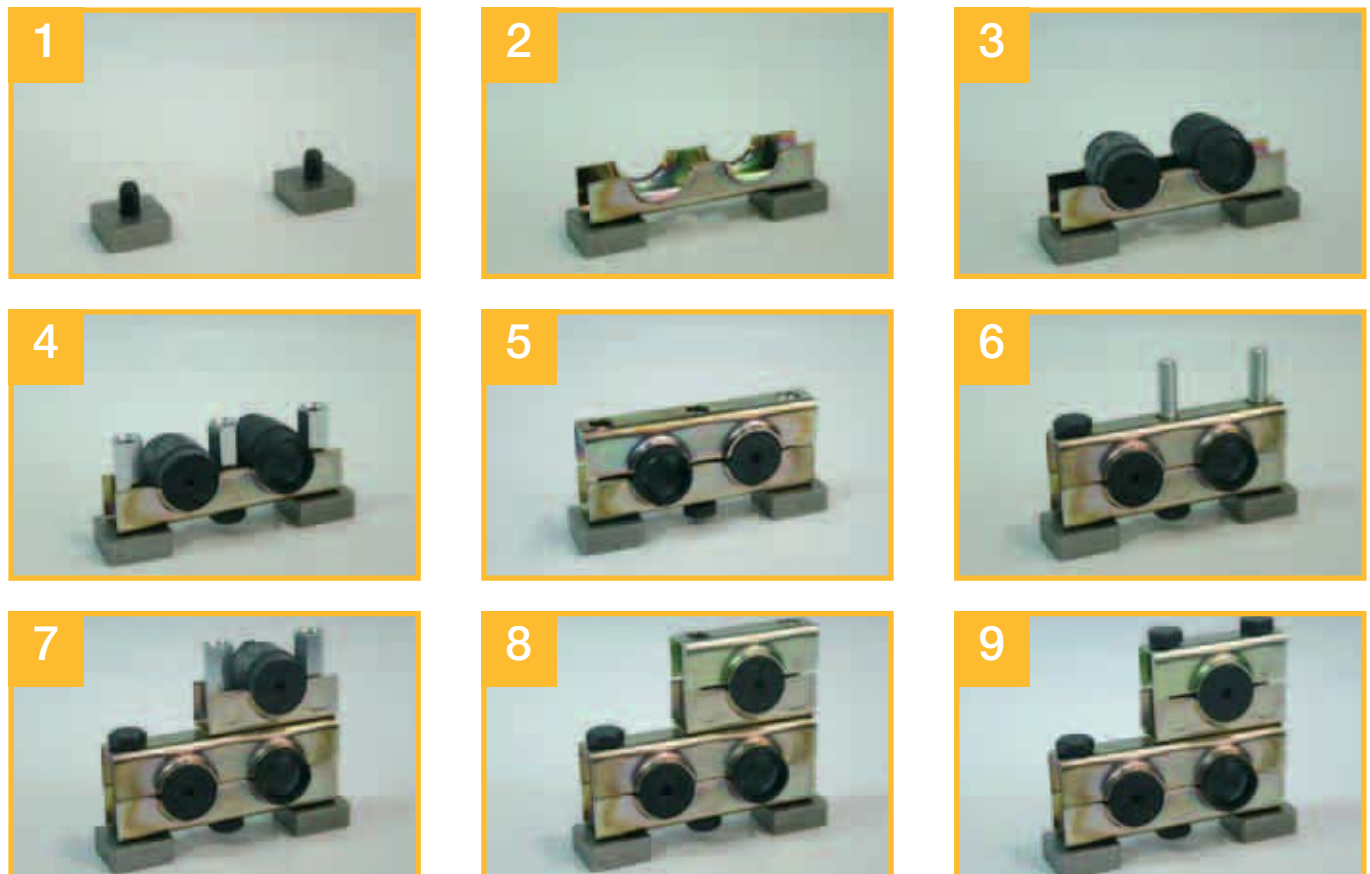
Part number	Supercedes	Description	Pack quantity	Dimensions (mm)								Thread	Pack weight	
				A	B	C	D	E	F	G	H			Ø
<b>MC321</b>	MC.32.1	Single clamp	10 pairs	40.0	9.4	76.2	95.0	38.0	76.2				11.1	2.25 Kg
<b>MC322</b>	MC.32.2	Double clamp	10 pairs	41.0	9.4	76.2	171.0	38.0	76.2				11.1	3.82 Kg
<b>MC3216</b>	MC.32.16	16 bay clamp	1 pair	72.0	76.2	40.0	34.0	76.2	1211.0	38.5	77.0	11.0		3.80 Kg
<b>MCN32</b>	MC.N.32	Stacking nut	50	13.0	71.5								M10 x 1.5	1.99 Kg
<b>MCS32</b>	MC.S.32	Stacking stud	50	38.0	22.0	4.0							M10 x 1.5	0.90 Kg
<b>MCWP32</b>	MC.WP.32	Weld plate	10	17.5	32.0	12.0	8.0	32.0	11.0					0.70 Kg
<b>MCSB32</b>	MC.SB.32	Standard bolt	50										M10 x 1.5	1.30 Kg
MCB32MO	MC.B.32.MO	Mounting adaptor	1	40.0	58.0								10.7	0.26 Kg

Part number	Supercedes	Description	Pack quantity	Dimensions (mm)		Paper size		Pack weight
				A	B	(mm)	OD	
<b>MCG3210</b>	MC.G.32.10	Split bush	10	59.0	44.5	15-16	5/8	1.10 Kg
<b>MCG3212</b>	MC.G.32.12	Split bush	10	59.0	44.5	18-20	3/4	1.10 Kg
<b>MCG3216</b>	MC.G.32.16	Split bush	10	59.0	44.5	25	1	1.00 Kg
<b>MCG3218</b>	MC.G.32.18	Split bush	10	59.0	44.5	28-30		1.00 Kg
<b>MCG3220</b>	MC.G.32.20	Split bush	10	59.0	44.5	32-34	1 1/4	0.80 Kg
<b>MCG3224</b>	MC.G.32.24	Split bush	10	59.0	44.5	35-38	1 1/4	0.80 Kg
<b>MCG3232</b>	MC.G.32.32	Split bush	10	59.0	44.5	50	2	0.40 Kg
<b>MCG326</b>	MC.G.32.6	Split bush	10	59.0	44.5	10	3/8	1.30 Kg
<b>MCG328</b>	MC.G.32.8	Split bush	10	59.0	44.5	12-14	1/2	1.20 Kg
<b>MCG3214</b>	MC.G.32.14	Split bush	10	59.0	44.5	22	7/8	1.00 Kg
<b>MCG3226</b>	MC.G.32.26	Split bush	10	59.0	44.5	42		0.60 Kg

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.

### How to 'build' Multiclamp



# Speed Control and Needle Valves

## Specification



**Construction:**  
Brass 58 – UNI 5705 (G<sup>3/4</sup> model-steel)  
Nickel plated.

**Max. working pressure:**  
210 bar.

**Operating temp. range:**  
-20°C to +100°C.

**Fluid compatibility:**  
Petroleum-based oils.

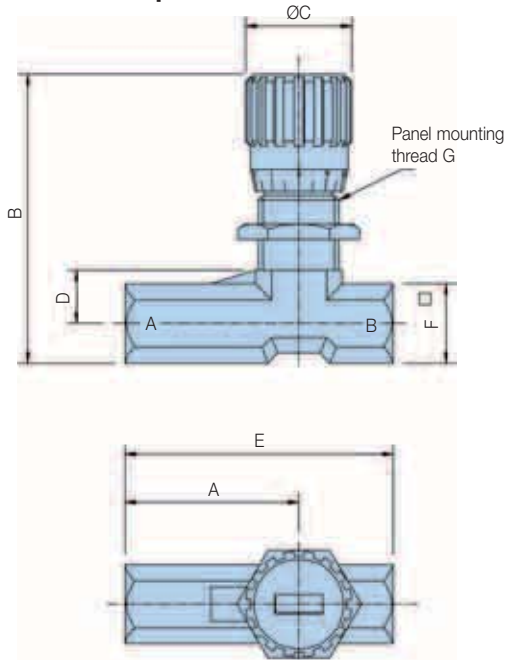
**Sizes:**  
G<sup>1/4</sup>, G<sup>3/8</sup>, G<sup>1/2</sup> and G<sup>3/4</sup>.

**Speed control valve/check valve**  
**crack pressure:**  
0.5 bar.

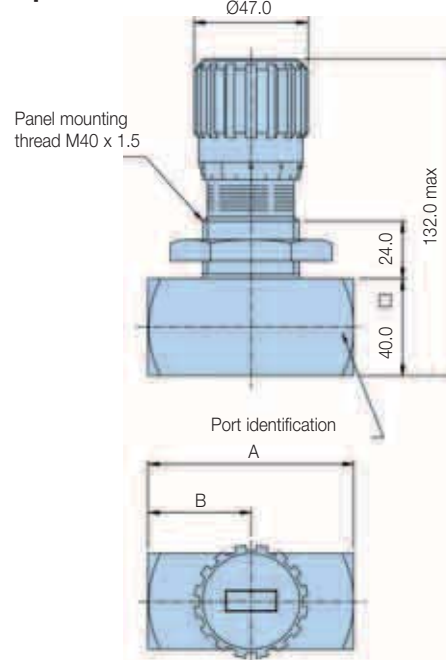
**Panel mounting:**  
A retaining nut for panel mounting is included with every option.

**Filtration recommendation:**  
Parker Filtration 25 micron absolute system filtration is desirable to ensure acceptable reliability and service life.

### G<sup>1/4</sup>, G<sup>3/8</sup> and G<sup>1/2</sup> options



### G<sup>3/4</sup> option



## Ordering Information

### Speed Control Valves – white caps

Part number	Description	A mm	B mm	C mm	D mm	E mm	F Size	G Panel mtg thread	Weight Kg
SCV1700	G <sup>1/4</sup> , 210 bar speed control	36	60	22	11	55.5	16.5	M17 x 1	0.13
SCV1701	G <sup>3/8</sup> , 210 bar speed control	41.5	72.5	27	15	64.5	21.5	M20 x 1	0.24
SCV1702	G <sup>1/2</sup> , 210 bar speed control	57	85	33	19	87	27	M25 x 1.5	0.45
SCV1703	G <sup>3/4</sup> , 210 bar speed control	85	42.5	–	–	–	–	M40 x 1.5	1.3

### Needle Valves – orange caps

Part number	Description	A mm	B mm	C mm	D mm	E mm	F Size	G Panel mtg thread	Weight Kg
2000	G <sup>1/4</sup> , 210 bar needle valve	36	60	22	11	55.5	16.5	M17 x 1	0.13
2001	G <sup>3/8</sup> , 210 bar needle valve	41.5	72.5	27	15	64.5	21.5	M20 x 1	0.24
2002	G <sup>1/2</sup> , 210 bar needle valve	57	85	33	19	87	27	M25 x 1.5	0.45
2003	G <sup>3/4</sup> , 210 bar needle valve	115	73	–	–	–	–	M40 x 1.5	1.6

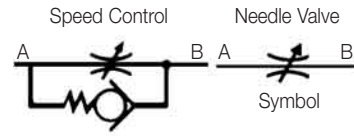
## Technical Data

### Pressure drop ( $\Delta P$ ) flow characteristics with mineral oil at 30 cSt viscosity

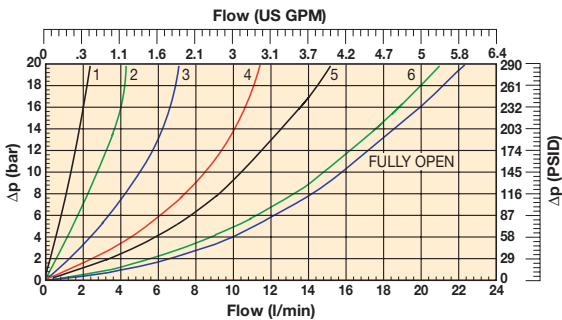
Graphs for needle/shut-off valves and speed control valves with flow A-B (controlled flow through needle).

Flow setting by number of turns of control knob is indicated on the body graduated scale.

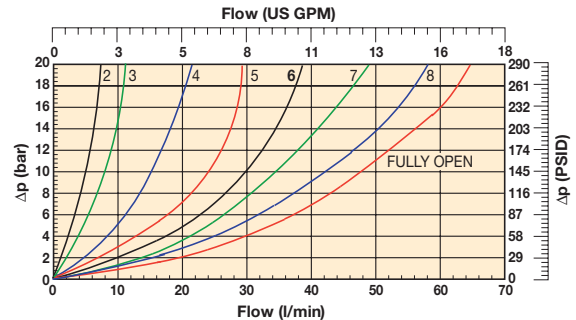
Graphs for speed control valves. Flow B-A (flow through check valve), with needle valve portion in fully open and fully closed positions.



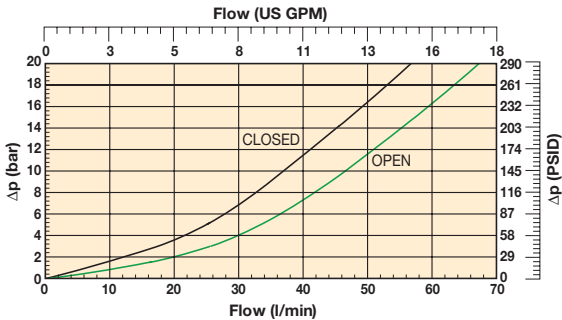
#### 2000/SCV1700 – Flow setting in no. of turns



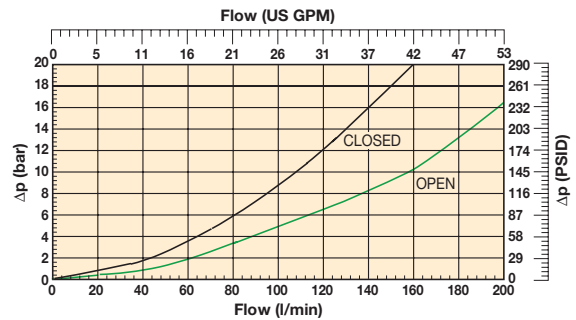
#### 2002/SCV1702 – Flow setting in no. of turns



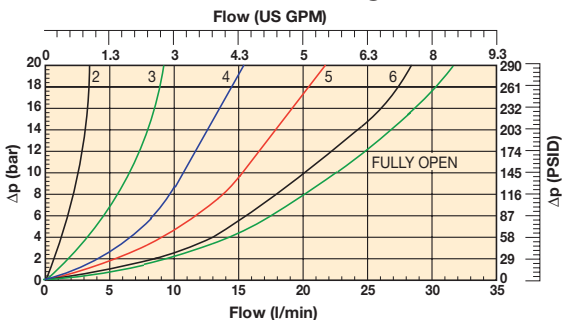
#### SCV1700 – Flow setting (fully closed/fully open)



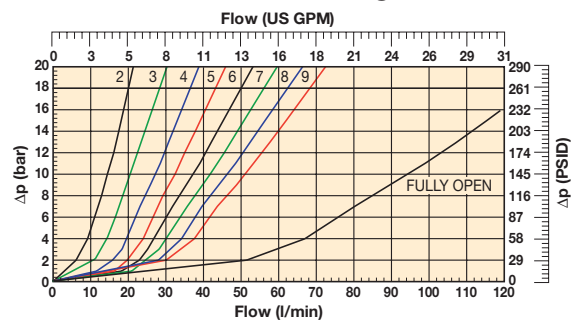
#### SCV1702 – Flow setting (fully closed/fully open)



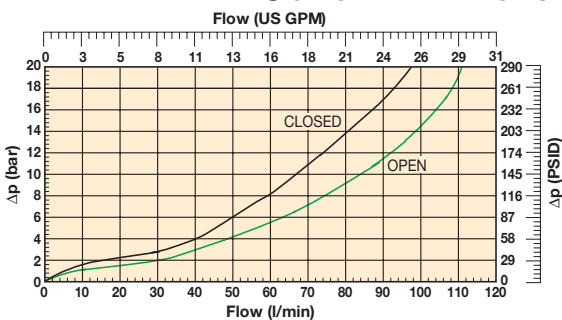
#### 2001/SCV1701 – Flow setting in no. of turns



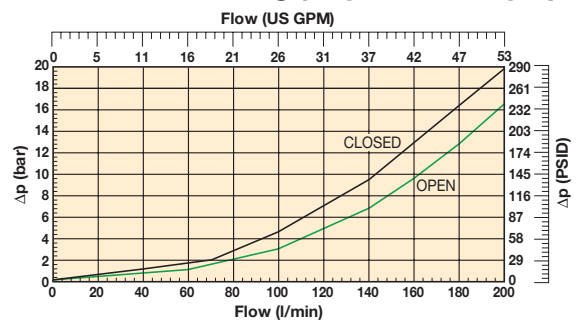
#### 2003/SCV1703 – Flow setting in no. of turns



#### SCV1701 – Flow setting (fully closed/fully open)



#### SCV1703 – Flow setting (fully closed/fully open)



# Inline Check Valves

## Specification



**Construction:**  
Steel UNI 5105.

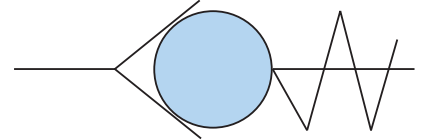
**Ball and spring:**  
Chrome finished steel.

**Retainer:**  
Nylon.

**Flow rates:**  
From 20 l/min to 150 l/min.

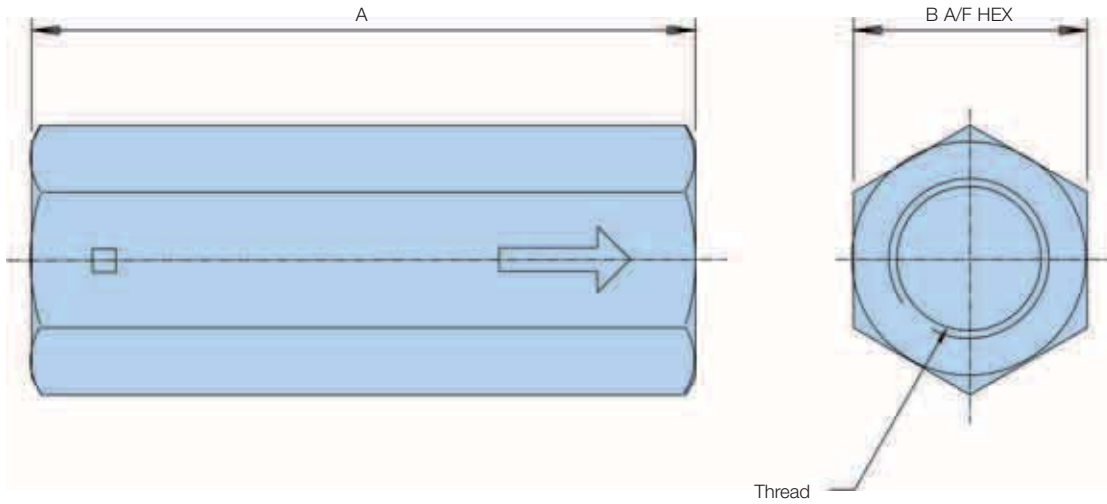
**Max. working pressure:**  
350 bar.

**Valve crack pressures:**  
0.35 and 4.5 bar.



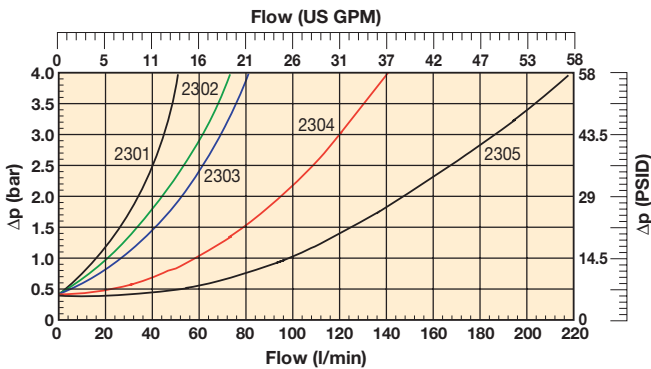
Circuit symbol

## Installation Details



## Technical Data

### Pressure Drop Flow Curves



## Ordering Information

### Standard products table

Part number	Flow l/min	Cracking pressure bar	Thread G	A mm	B mm	Weight Kg
2301	20	0.35	1/4	54	19	0.09
2302	30	0.35	3/8	66	24	0.17
2303	50	0.35	1/2	77	30	0.32
2304	100	0.35	3/4	88	36	0.48
2305	150	0.35	1	108	46	0.99
2311	20	4.50	1/4	54	19	0.09
2312	30	4.50	3/8	65	24	0.17
2313	50	4.50	1/2	77	30	0.32
2314	100	4.50	3/4	88	36	0.48
2315	150	4.50	1	108	46	0.99

## Reservoir Equipment

# Single Station Gauge Isolator Valves

### Specification



**Construction:**

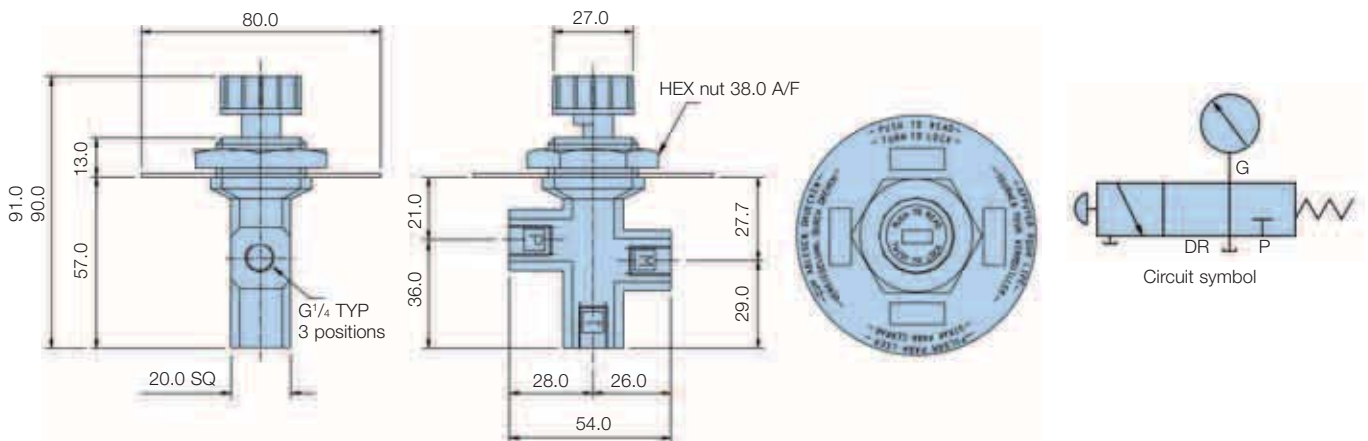
*Single Station:* Cast iron and steel. Knurled aluminium knob with 'Twist to lock' or 'push to read' type.

**Max. working pressure:**  
350 bar.

**Port size:**  
*Single Station:* G<sup>1</sup>/<sub>4</sub>.

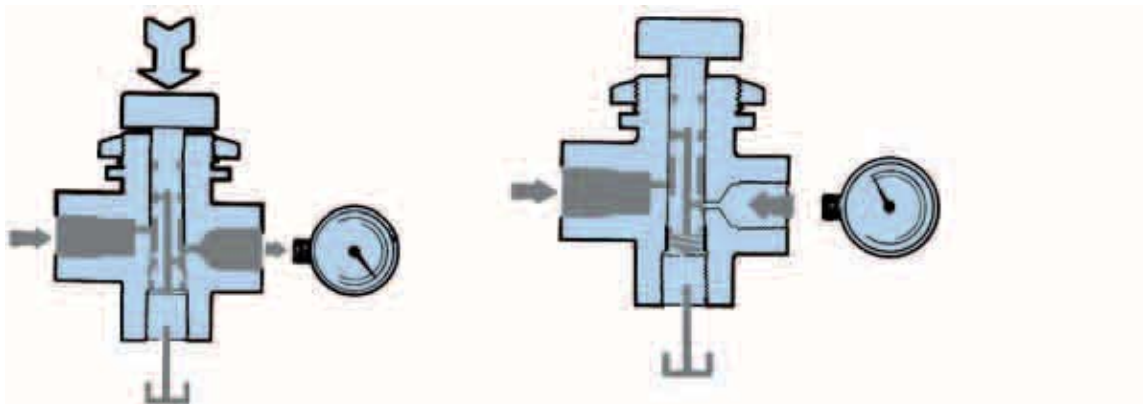
**Weight:**  
*Single Station:* 0.90 Kg.

### Single Station Installation Details



### Operation Details

#### Single Station



### Ordering Information

**Standard products table**

Part number	Description	Weight
GI1486	Single station gauge isolator "twist to lock" type	0.90 Kg
GI1414	Single station gauge isolator "push to read" type	0.90 Kg

# 63mm Dia. Pressure Gauges

## Specification



**Construction:**

Case: Natural finish stainless steel.  
 Window: Non-splintering clear acrylic glass.  
 Movement: Cu alloy.  
 Dial: White plastic, with pointer stop pin.  
 Pointer: Black plastic.

**Liquid filling:**  
 Glycerine 99.7%.

**Working pressure:**  
 Max 75% of the full scale value.

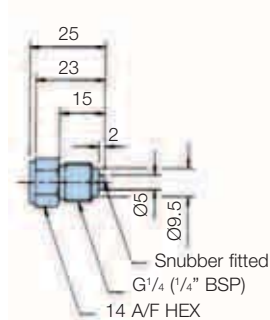
**Process temperature:**  
 + 60°C maximum.

**Accuracy:**  
 1.6% FSD.

**Wetted parts connector:**  
 Copper alloy.

**Bourdon tube:**  
 < 60 bar = Cu alloy, C-type, soft soldered.  
 > 60 bar = Cu alloy, helical type, soft soldered.

## Mounting Stem Detail



Note: It is recommended that all glycerine gauges should be mounted in the vertical position with gauge case relief valve uppermost. Pressure range up to 1000 bar available.

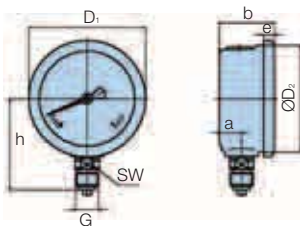
## Ordering Information

### Bottom Connection

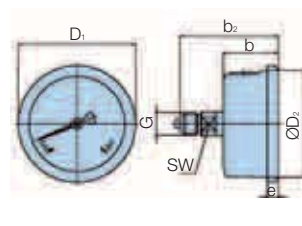
Part number	Supercedes	Pressure range	Connector type
<b>PGB0631010</b>	PGB.0631.010	0-10 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631016</b>	PGB.0631.016	0-16 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631025</b>	PGB.0631.025	0-25 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631040</b>	PGB.0631.040	0-40 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631060</b>	PGB.0631.060	0-60 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631100</b>	PGB.0631.100	0-100 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631160</b>	PGB.0631.160	0-160 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631250</b>	PGB.0631.250	0-250 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631400</b>	PGB.0631.400	0-400 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631600</b>	PGB.0631.600	0-600 bar	G $\frac{1}{4}$ Bottom
<b>PGB0631004</b>	PGB.0631.004	0-4 bar	G $\frac{1}{4}$ Bottom

## Installation Details

### Bottom Connection



### Panel Mounting (Centre Back)



### Dimensions (mm) Bottom Connection

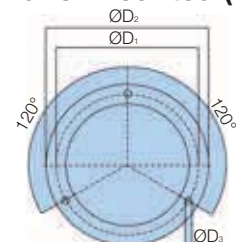
a	b ±0.5	D <sub>1</sub>	D <sub>2</sub>	e	G	h ±1	SW	Weight Kg
13	32	68	62	6.5	G $\frac{1}{4}$	54	14	0.21

### Dimensions (mm) Panel Mounting (Centre Back)

b ±0.5	b <sub>2</sub> ±1	D <sub>1</sub>	D <sub>2</sub>	e	G	SW	Weight Kg
32	56	68	62	6.5	G $\frac{1}{4}$	14	0.21

Note 1: Panel cut-out 64.5 ±0.5  
 Note 2: 13mm on the outside radius required to allow for fixing clamp.

### Panel Mounted (3-hole flange)



Note 1: Gauge dimensions as for panel mounting option above with flange as shown below.  
 Note 2: Panel cut-out for 3-hole mounting 67±0.3.

### Dimensions (mm)

D1	D2	D3
75	85	3.6

### Panel Mounting

Part number	Supercedes	Pressure range	Connector type
<b>PGC0631010</b>	PGC.0631.010	0-10 bar	G $\frac{1}{4}$ Panel
<b>PGC0631016</b>	PGC.0631.016	0-16 bar	G $\frac{1}{4}$ Panel
<b>PGC0631025</b>	PGC.0631.025	0-25 bar	G $\frac{1}{4}$ Panel
<b>PGC0631040</b>	PGC.0631.040	0-40 bar	G $\frac{1}{4}$ Panel
<b>PGC0631060</b>	PGC.0631.060	0-60 bar	G $\frac{1}{4}$ Panel
<b>PGC0631100</b>	PGC.0631.100	0-100 bar	G $\frac{1}{4}$ Panel
<b>PGC0631160</b>	PGC.0631.160	0-160 bar	G $\frac{1}{4}$ Panel
<b>PGC0631250</b>	PGC.0631.250	0-250 bar	G $\frac{1}{4}$ Panel
<b>PGC0631400</b>	PGC.0631.400	0-400 bar	G $\frac{1}{4}$ Panel
<b>PGC0631004</b>	PGC.0631.004	0-4 bar	G $\frac{1}{4}$ Panel
<b>PGC0631600</b>	PGC.0631.600	0-600 bar	G $\frac{1}{4}$ Panel

### Panel Mounted (3-hole flange)

Part number	Supercedes	Pressure range	Connector type
<b>PGF0631060</b>	PGF.0631.060	0-60 bar	G $\frac{1}{4}$ Panel Flange
<b>PGF0631100</b>	PGF.0631.100	0-100 bar	G $\frac{1}{4}$ Panel Flange
<b>PGF0631160</b>	PGF.0631.160	0-160 bar	G $\frac{1}{4}$ Panel Flange
<b>PGF0631250</b>	PGF.0631.250	0-250 bar	G $\frac{1}{4}$ Panel Flange
<b>PGF0631400</b>	PGF.0631.400	0-400 bar	G $\frac{1}{4}$ Panel Flange
PGF0631004	PGF.0631.004	0-4 bar	G $\frac{1}{4}$ Panel Flange
PGF0631010	PGF.0631.010	0-10 bar	G $\frac{1}{4}$ Panel Flange
PGF0631016	PGF.0631.016	0-16 bar	G $\frac{1}{4}$ Panel Flange
PGF0631025	PGF.0631.025	0-25 bar	G $\frac{1}{4}$ Panel Flange
PGF0631040	PGF.0631.040	0-40 bar	G $\frac{1}{4}$ Panel Flange
PGF0631600	PGF.0631.600	0-600 bar	G $\frac{1}{4}$ Panel Flange

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: Any subsequent changes to gauge accuracy will be notified.



# 100mm Dia. Pressure Gauges

## Specification



**Construction:**

Case: BS 304 S15 stainless steel.  
 Window: Acrylic.  
 Movement: Brass.  
 Dial: White aluminium.  
 Pointer: Black aluminium.

**Liquid filling:**

Glycerine 98%.

**Working pressure:**

Full scale value.

**Process temperature:**

+ 60°C maximum.

**Accuracy:**

1.0% FSD.

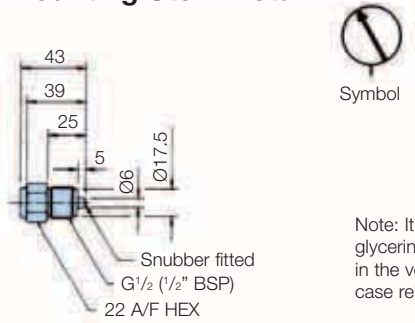
**Wetted parts connector:**

Copper alloy.

**Bourdon tube:**

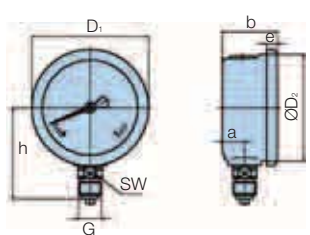
< 100 bar = Cu alloy, c-type, soft soldered.  
 > 100 bar = stainless steel 1.4571, helical type, brazed.

### Mounting Stem Detail

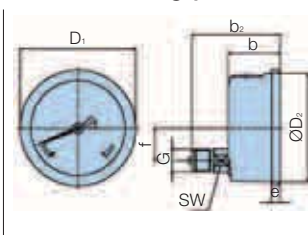


## Installation Details

### Bottom Connection



### Panel Mounting (Lower Back)



**Dimensions (mm) Bottom Connection**

a	b ±0.5	D <sub>1</sub>	D <sub>2</sub>	e	G	h ±1	SW	Weight Kg
15.5	48	107	100	8	G <sup>1</sup> / <sub>2</sub>	87	22	0.80

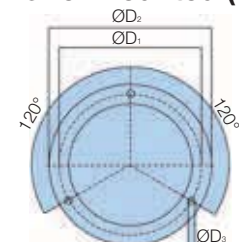
**Dimensions (mm) Panel Mounting (Centre Back)**

b ±0.5	b <sub>2</sub> ±1	D <sub>1</sub>	D <sub>2</sub>	e	G	SW	Weight Kg
48	81.5	107	100	8	G <sup>1</sup> / <sub>2</sub>	22	0.80

Note 1: Panel cut-out 102 ±1.0

Note 2: 13mm on the outside radius required to allow for fixing clamp.

### Panel Mounted (3-hole flange)



Note 1: Gauge dimensions as for panel mounting option above with flange as shown below.  
 Note 2: Panel cut-out for 3-hole mounting 104±0.5.

**Dimensions (mm)**

D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>
116	132	4.8

## Ordering Information

### Bottom Connection

Part number	Supercedes	Pressure range	Connector type
<b>PGB1001250</b>	PGB.1001.250	0-250 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001400</b>	PGB.1001.400	0-400 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001010</b>	PGB.1001.010	0-10 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001016</b>	PGB.1001.016	0-16 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001025</b>	PGB.1001.025	0-25 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001040</b>	PGB.1001.040	0-40 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001060</b>	PGB.1001.060	0-60 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001100</b>	PGB.1001.100	0-100 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001160</b>	PGB.1001.160	0-160 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB1001600</b>	PGB.1001.600	0-600 bar	G <sup>1</sup> / <sub>2</sub> Bottom
<b>PGB10011000</b>	PGB.1001.1000	0-1000 bar	G <sup>1</sup> / <sub>2</sub> Bottom

### Panel Mounting

Part number	Supercedes	Pressure range	Connector type
<b>PGE1001010</b>	PGE.1001.010	0-10 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001016</b>	PGE.1001.016	0-16 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001025</b>	PGE.1001.025	0-25 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001040</b>	PGE.1001.040	0-40 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001060</b>	PGE.1001.060	0-60 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001100</b>	PGE.1001.100	0-100 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001160</b>	PGE.1001.160	0-160 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001250</b>	PGE.1001.250	0-250 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001400</b>	PGE.1001.400	0-400 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE1001600</b>	PGE.1001.600	0-600 bar	G <sup>1</sup> / <sub>2</sub> Panel
<b>PGE10011000</b>	PGE.1001.1000	0-1000 bar	G <sup>1</sup> / <sub>2</sub> Panel

### Panel Mounted (3-hole flange)

Part number	Supercedes	Pressure range	Connector type
<b>PG.1001250</b>	PGF.1001.250	0-250 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
<b>PGF1001400</b>	PGF.1001.400	0-400 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001010	PGF.1001.010	0-10 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001016	PGF.1001.016	0-16 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001025	PGF.1001.025	0-25 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001040	PGF.1001.040	0-40 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001060	PGF.1001.060	0-60 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001100	PGF.1001.100	0-100 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001160	PGF.1001.160	0-160 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF1001600	PGF.1001.600	0-600 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange
PGF10011000	PGF.1001.1000	0-1000 bar	G <sup>1</sup> / <sub>2</sub> Panel Flange

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