

Reservoir Equipment



Global Filtration Technology

Reservoir Equipment

EAB Series

APPLICATIONS



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 airflow up to 1500 l/min.

Construction:

Glass reinforced composite housing with Eco-element.

Filter Media Options:

P020: High quality polyester media. Degree of filtration 2µm (abs).

C015: Polyester media with water-resistant layer. Degree of filtration 1.5µm (abs)

Q010: Glass fibre media. Degree of filtration 1.0µm (abs)

Mounting Options:

With 6 screws. Includes machine and plate screws, a strainer and gaskets.

External threads G3/4", G1" abd M33x2.

Internal thread G3/4".

Options:

Visual gauge type vacuum/pressure indicator.

Overpressure valve, pressure setting 0.2 bar.

Advantages of the new EAB20:

Easy maintenance.

Indicator states the need for element change.

Quick and easy element change with no tools.

Environmentally Friendly:

EAB20 element contains no metal parts: therefore it can be crushed and burned minimising the volume of waste material.

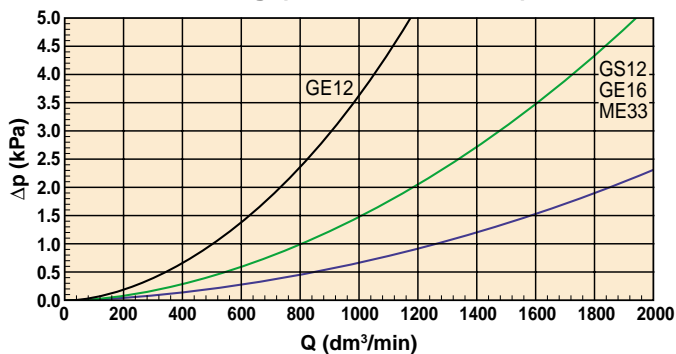
Other Features:

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.

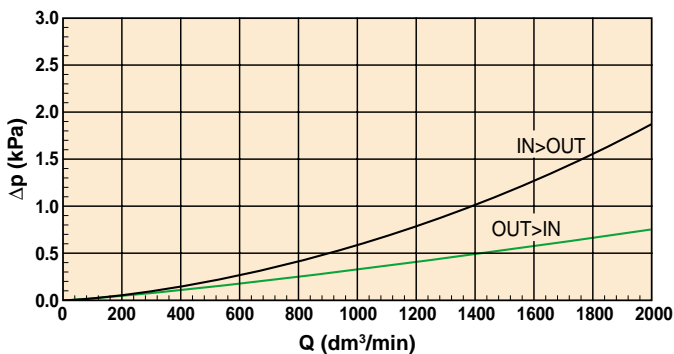
PRESSURE DROP CURVES

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

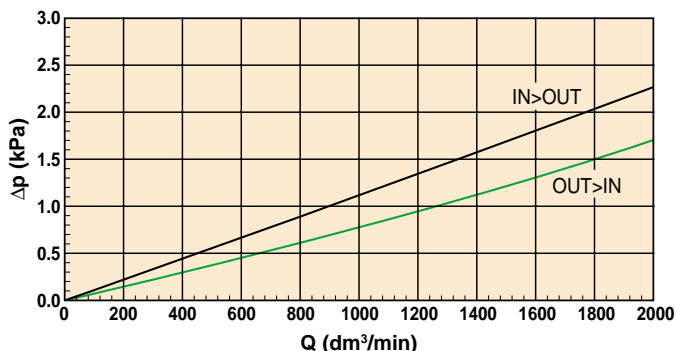
Housing (Without Element)



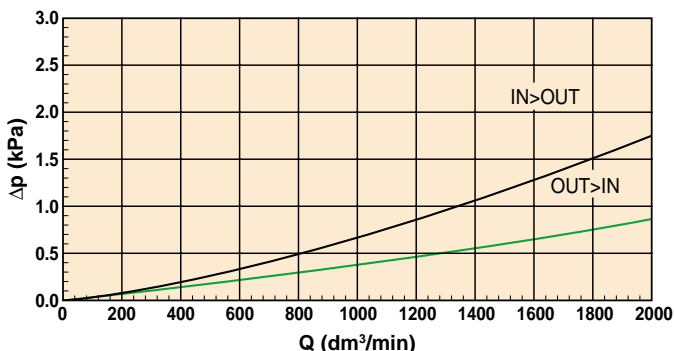
EAC20 P020



EAC20 C015

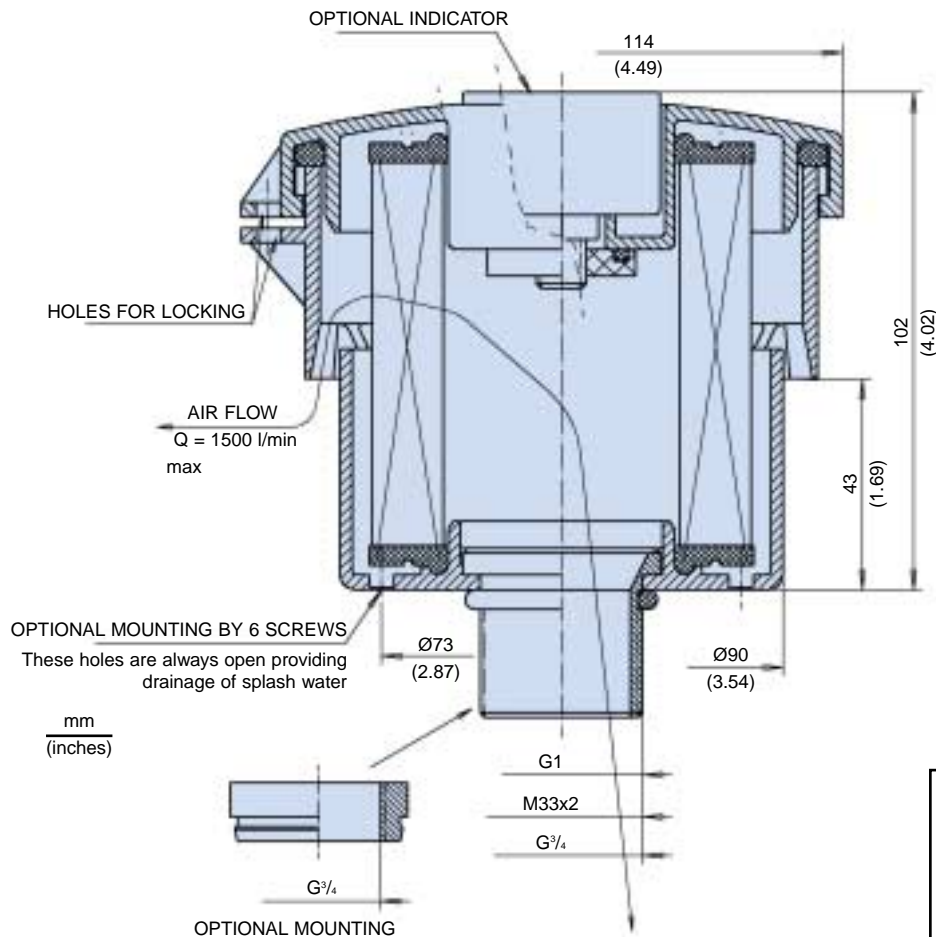


EAC20 Q010

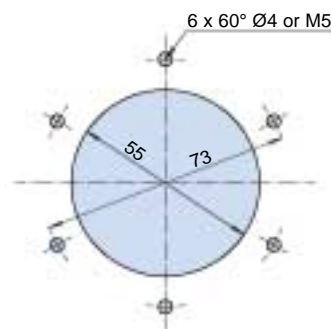


SPECIFICATION

EAB



6 HOLE FIXING MOUNTING DIMENSIONS



ORDERING EXAMPLE ELEMENT

Complete Filter:	EAB20	Table 1	Table 2	Table 3	Table 4
Replacement Element:	EAC20	Table 1			

Table 1

Filtration Media & Degree of Filtration	CODE
Polyester media 2.0 microns absolute	P020
Water-resistant media 1.5 microns absolute	C015
Glass fibre media 1.0 microns absolute	Q010

Table 2

Mounting Options	CODE
Standard 6 holes arranged with diam. 73mm	HC73
External thread G ³ / ₄ "	GE12
External thread G1"	GE16
Internal thread G ³ / ₄ "	GS12
External thread M33x2	ME33

Table 3

Overpressure Valve Options	CODE
No overpressure valve	
Overpressure valve setting 0.2 bar	V2

Table 4

Indicators Options	CODE
No indicator	
Vacuum/Pressure gauge	A

Reservoir Equipment

ABL Series

APPLICATIONS



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

High performance air breathers are often applied when it comes to optimal protection of hydraulic and lubrication systems from contamination. The ABL-1 has a flow capacity of 1000 l/min, the larger ABL-2 is capable of handling 2000 l/min. Both are equipped with a base plate featuring a BSP port or a UN thread, and 3-micron replaceable Leif® elements. The ABL is equipped with a reusable cap. The visual indicator of the ABL-2 (optional for the ABL-1) indicates when the air breather element requires replacement. An extension mounting adaptor and an adaptor with filling connection are available as accessories.

SPECIFICATION

Assembly:

Tank top mounted

Connections:

Threads G1 $\frac{1}{4}$ (ISO228), 1 $\frac{1}{2}$ " (UN-16-2B)

Seal Material:

Seals integrated in Leif® 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® element

Options:

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

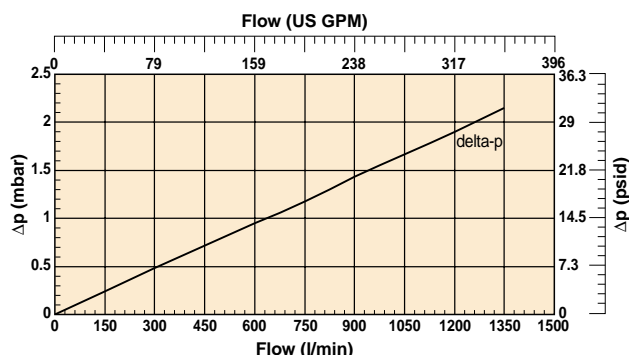
Leif® elements can be applied for hydraulic fluids only. For other fluids contact Parker Filtration.

Typical Applications

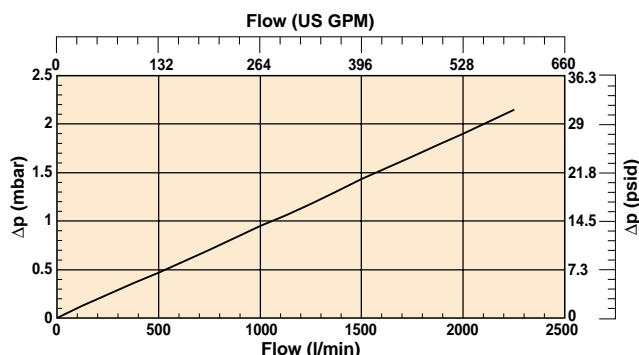
- Saw Mills
- Agricultural Machines
- Articulated Dump Trucks
- Forestry Equipment
- Wheeled Loaders
- Lubricating Systems
- Excavators
- Industrial Power Units
- Mobile Cranes

PRESSURE DROP CURVES

Pressure Loss Curve ABL1



Pressure Loss Curve ABL2



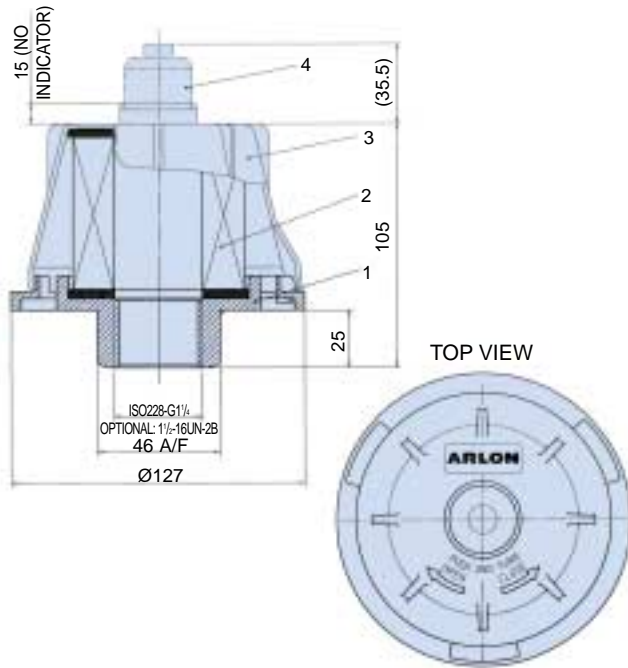
PREFERRED PRODUCTS TABLE

Ordering Code	Flow (l/min)	Media Rating	Ports	Indicator	Replacement Elements
ABL-1G1 $\frac{1}{4}$ QXWL-3-	1000	GDL 03	G1 $\frac{1}{4}$ "	—	QXWL-3
ABL-2G1 $\frac{1}{4}$ QXWL1-3V	2000	GDL 03	G1 $\frac{1}{4}$ "	Visual	QXWL1-3

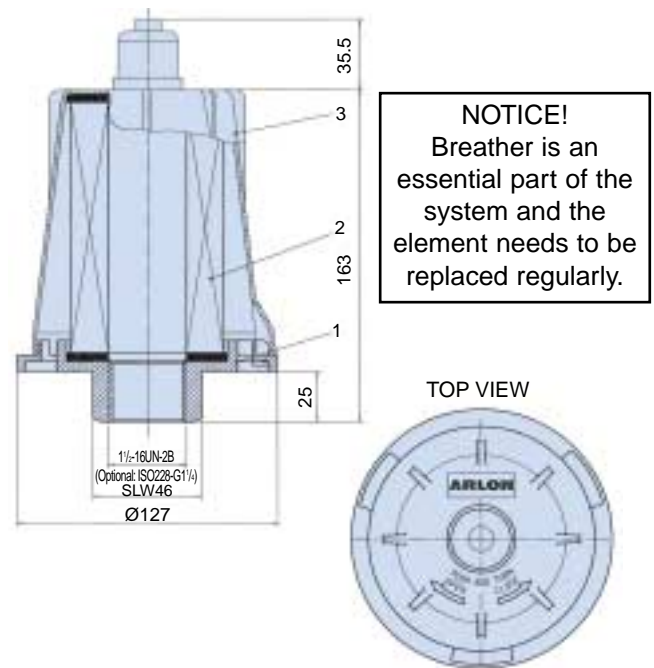
NOTE: Filters ordered from the Part Number Matrix on the next page are on extended lead times. Where possible, please make your selection from the table above.

SPECIFICATION

ABL-1



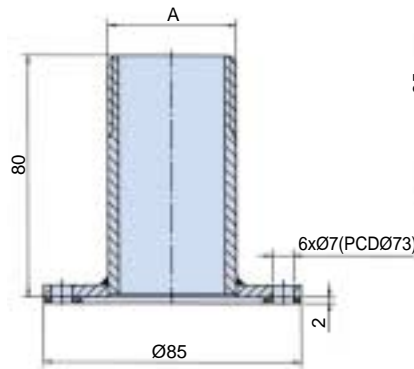
ABL-2



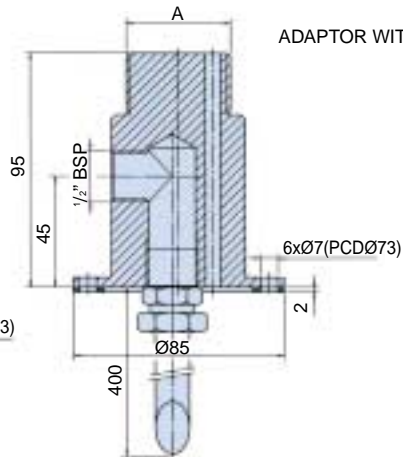
NOTICE!
Breather is an essential part of the system and the element needs to be replaced regularly.

EXTENSION AND FILLING MOUNTING ADAPTORS

ADAPTOR SINGLE



ADAPTOR WITH FILLER CONNECTION



ORDERING EXAMPLE ELEMENT

3

QXWL1-3

ORDERING EXAMPLE AIRBREATHER

1 ABL1	2 G1¹/₄	3 QXWL-3	4 -
1 ABL2	2 G1¹/₄	3 QXWL1-3	4 V

Table 1

Table 2

Breather Type	
Housing	CODE
1000 l/min	ABL-1
2000 l/min	ABL-2

Table 5

Options	
Adaptor	CODE
Single	SNG
With filler connection	FP

Breather Connection	
Ports	CODE
ISO 228-G1 ¹ / ₄ (BSP)	G1 ¹ / ₄
1 ¹ / ₂ " UN-16-2B	U1 ¹ / ₂

ORDERING EXAMPLE ADAPTOR

Std ADAPTOR ABL	2 G1¹/₄	5 FP
Std ADAPTOR ABL	2 G1¹/₄	5 SNG

Table 3

Table 4

Degree of Filtration	
Element	
	3µm
	CODE
ABL-1	QXWL-3
ABL-2	QXWL1-3

Indicators	
Indicator	CODE
No indicator	-
Visual	V

Reservoir Equipment

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

option is available Self-Locking Clamps (Single Hole Option): 3 x Zinc and clear chromate plated steel screws. Spring steel clamps.

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 reduce the risk of contamination.

Pressurisation Options:

0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation Value:

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.

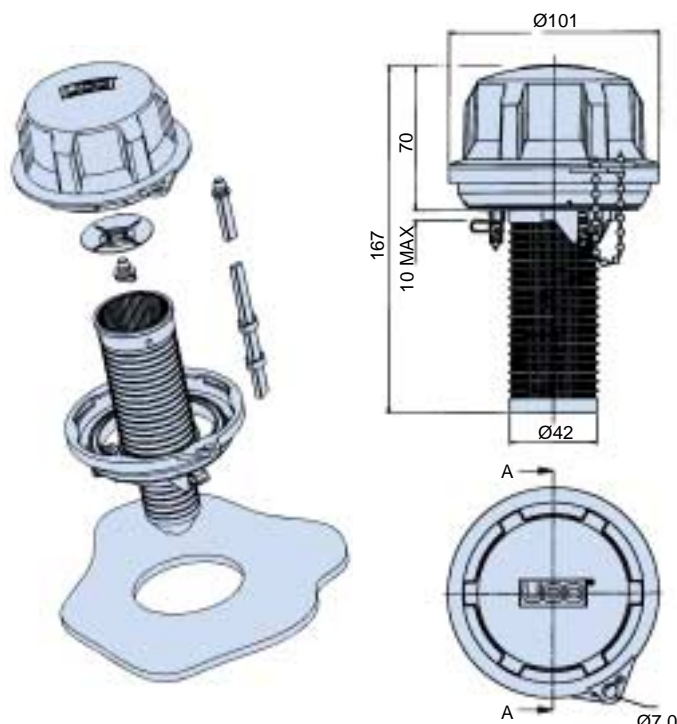
Breather Weight:

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.

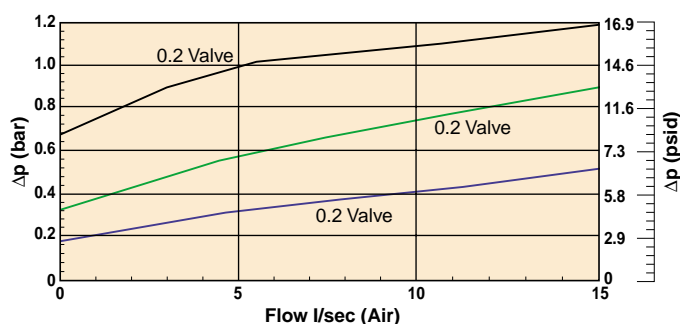
OPTION 1 FILLER BREATHERS (SINGLE HOLE INSTALLATION)



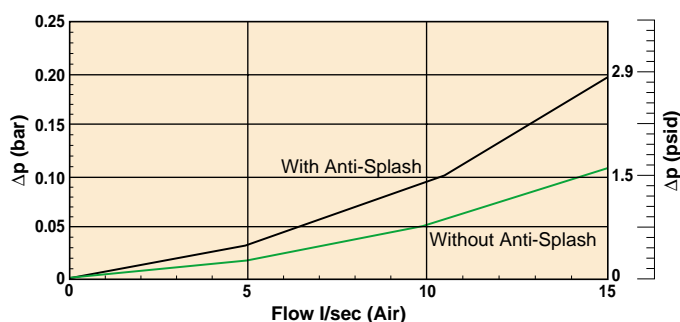
Option 1. Single Hole Filler Breathers – pressurised

Part Number	Supersedes	Description
AB.98212001.UC	FBI.A1B1A2P	10 micron pressurised. 0.2 bar without strainer
AB.98212011.UC	FBI.A1B1B2P	10 micron pressurised. 0.2 bar with 95mm strainer
AB.98212021.UC	FBI.A1B1C2P	10 micron pressurised. 0.2 bar with telescopic strainer
AB.98213001.UC	FBI.A1C1A2P	10 micron pressurised. 0.35 bar without strainer
AB.98213011.UC	FBI.A1C1B2P	10 micron pressurised. 0.35 bar with 95mm strainer
AB.98213021.UC	FBI.A1C1C2P	10 micron pressurised. 0.35 bar with telescopic strainer
AB.98217001.UC	FBI.A1D1A2P	10 micron pressurised. 0.7 bar without strainer
AB.98217011.UC	FBI.A1D1B2P	10 micron pressurised. 0.7 bar with 95mm strainer
AB.98217021.UC	FBI.A1D1C2P	10 micron pressurised. 0.7 bar with telescopic strainer

AB.98XXX Pressurised Pressure Drop Curves



AB.98XXX Non-Pressurised Pressure Drop Curves



Option 1. Single Hole Filler Breathers – non-pressurised

Part Number	Supersedes	Description
AB.98210001.UC	FBI.A1A1A2P	10 micron filler breather without strainer
AB.98210011.UC	FBI.A1A1B2P	10 micron filler breather with 95mm strainer
AB.98210021.UC	FBI.A1A1C2P	10 micron filler breather with telescopic strainer

FILLER BREATHERS (6 HOLE INSTALLATION)

Option 2

Note 1. Un-pressurised 6 hole fixing:

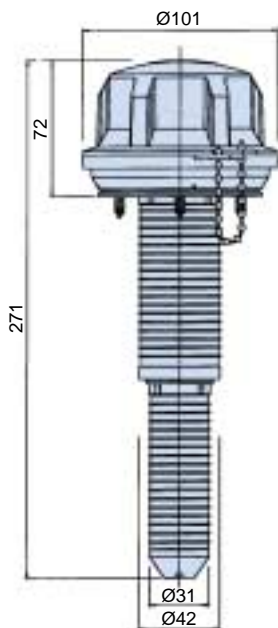
Form 6 off tank mounting holes between Ø4.0 and 4.4mm (dependent on the material and thickness – see guide below) equispaced on 70-73mm P.C.D. to suit No.10 thread forming screws supplied.

Note 2. Pressurised 6-hole fixing:

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

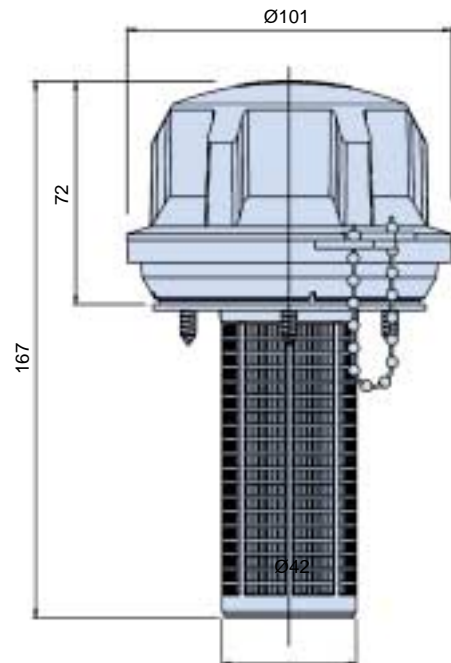
Note 3. Reservoir mounting guide

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 and oil flow-through and allowing for longer dipstick lengths.

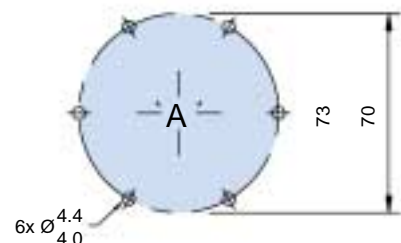


Option 2. 6-hole filler breathers – pressurised

Part Number	Supersedes	Description
AB.98812001.UC	FBI.D1B1A2P	10 micron pressurised. 0.2 bar without strainer
AB.98812011.UC	FBI.D1B1B2P	10 micron pressurised. 0.2 bar with 95mm strainer
AB.98812021.UC	FBI.D1B1C2P	10 micron pressurised. 0.2 bar with telescopic strainer
AB.98813001.UC	FBI.D1C1A2P	10 micron pressurised. 0.35 bar without strainer
AB.98813011.UC	FBI.D1C1B2P	10 micron pressurised. 0.35 bar with 95mm strainer
AB.98813021.UC	FBI.D1C1C2P	10 micron pressurised. 0.35 bar with telescopic strainer
AB.98817001.UC	FBI.D1D1A2P	10 micron pressurised. 0.7 bar without strainer
AB.98817011.UC	FBI.D1D1B2P	10 micron pressurised. 0.7 bar with 95mm strainer
AB.98817021.UC	FBI.D1D1C2P	10 micron pressurised. 0.7 bar with telescopic strainer

Option 2. 6-hole filler breathers – non-pressurised

Part Number	Supersedes	Description
AB.98810001.UC	FBI.D1A1A2P	10 micron filler breather without strainer
AB.98810011.UC	FBI.D1A1B2P	10 micron filler breather with 95mm strainer
AB.98810021.UC	FBI.D1A1C2P	10 micron filler breather with telescopic strainer



Reservoir Equipment

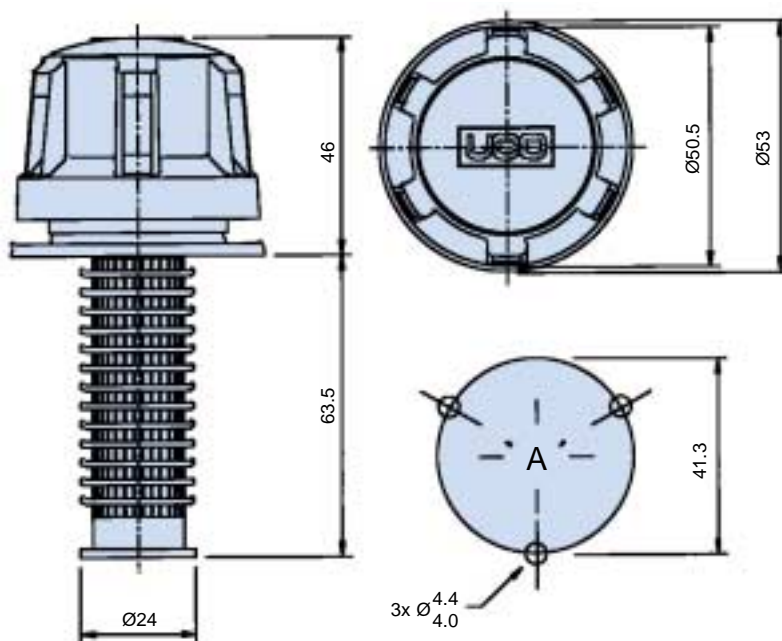
Filler Breather Filters

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
AB.68110	10 micron filler breather without strainer
AB.68118	10 micron filler breather with 95mm strainer

Note: Not suitable for use with DIP.206/207 6-hole AB.68910/AB.68918 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.

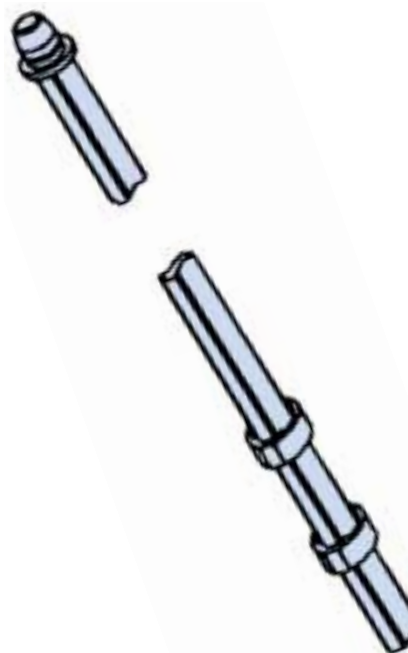
DIPSTICK OPTIONS

Dipstick ordering

Part Number	Supersedes	Description
DIP.206	DIP.FB2	1 Pack 10 x 200mm dipsticks
DIP.207	DIPFB4	1 Pack 10 x 400mm dipsticks

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.



STANDARD SCREW-ON BREATHERS — SPECIFICATION

Option 1– G¹/₂ and G³/₄ (Ø101)



Construction:

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

Option 1:

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

Filtration Element:

Expanded Polyurethane foam, 10 micron.

Seals:

Nitrile.

Working Temperature:

-30°C to +90°C.

Pressurised Air Breathers:

Available in 3 pressure options to reduce the risk of contamination.

Pressurisation Options:

0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation Value:

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:

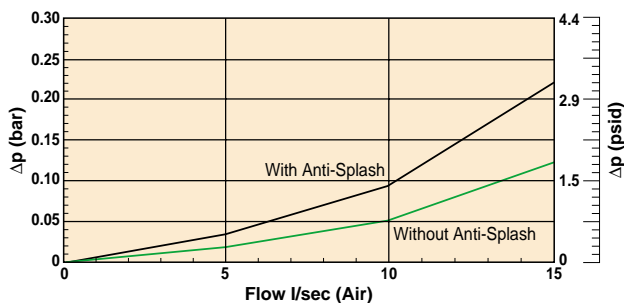
The unique design anti-splash feature is standard on Option 1 and allows for a dipstick to be fitted if required.

PRESSURE DROP FLOW CURVES

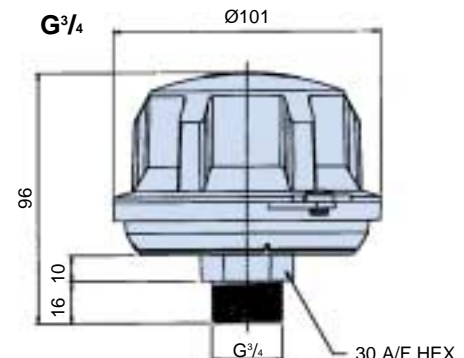
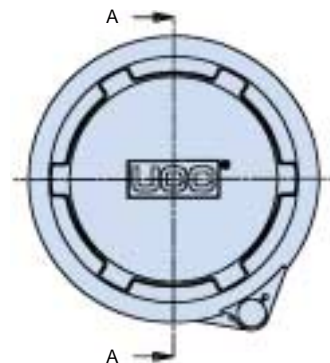
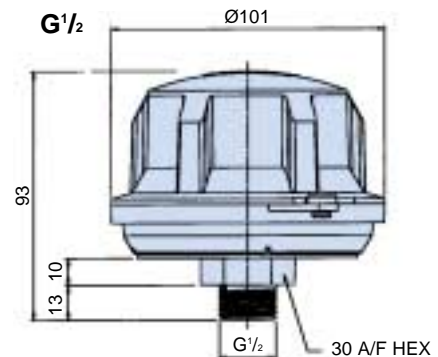
Option 1 – G¹/₂ or G³/₄

Part Number	Supersedes	Description
AB.98610101.UC	FBI.C1A2A2P	10 micron G ¹ / ₂ option 1 un-pressurised
AB.98612101.UC	FBI.C1B2A2P	10 micron G ¹ / ₂ option 1 pressurised 0.2 bar
AB.98613101.UC	FBI.C1C2A2P	10 micron G ¹ / ₂ option 1 pressurised 0.35 bar
AB.98617101.UC	FBI.C1D2A2P	10 micron G ¹ / ₂ option 1 pressurised 0.7 bar
AB.98410101.UC	FBI.B1A2A2P	10 micron G ³ / ₄ option 1 un-pressurised
AB.98412101.UC	FBI.B1B2A2P	10 micron G ³ / ₄ option 1 pressurised 0.2 bar
AB.98413101.UC	FBI.B1C2A2P	10 micron G ³ / ₄ option 1 pressurised 0.35 bar
AB.98417101.UC	FBI.B1D2A2P	10 micron G ³ / ₄ option 1 pressurised 0.7 bar
DIP.206	DIP.FB2	1 pack 10 x 200mm dipsticks
DIP.207	DIP.FB4	1 pack 10 x 400mm dipsticks

AB.98XXX Screw-on Non-Pressurised Pressure Drop Curves



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



Reservoir Equipment

Screw-On Type Air Breathers

COMPACT SCREW-ON BREATHERS — SPECIFICATION

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

Construction:

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

Element:

Expanded Polyurethane foam, 10 micron.

Pressurised Air Breathers:

Available G³/₈.

Pressurisation Options:

0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation Valve:

Nylon.

Dipstick:

Available for use with R¹/₂ and R³/₄.

Dipstick Material:

ABS: G¹/₄, G³/₈ and mini-series in brass.

Brass: Mini Series.

Hi/Lo Indicators:

Acetal adjustable red/green level indicators.

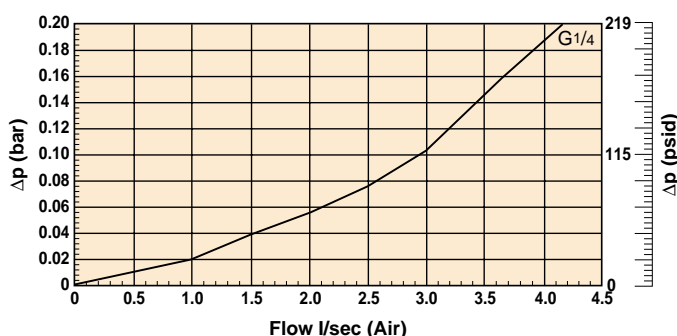
Dipstick Lengths:

200mm and 400mm (packs of 10).

Breather Weights:

0.028Kg (G¹/₄, G³/₈, R¹/₂, R³/₄)

PRESSURE DROP FLOW CURVES

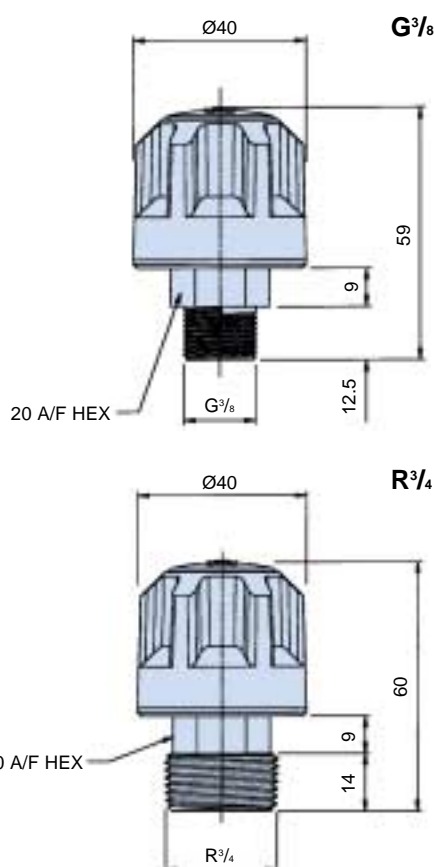
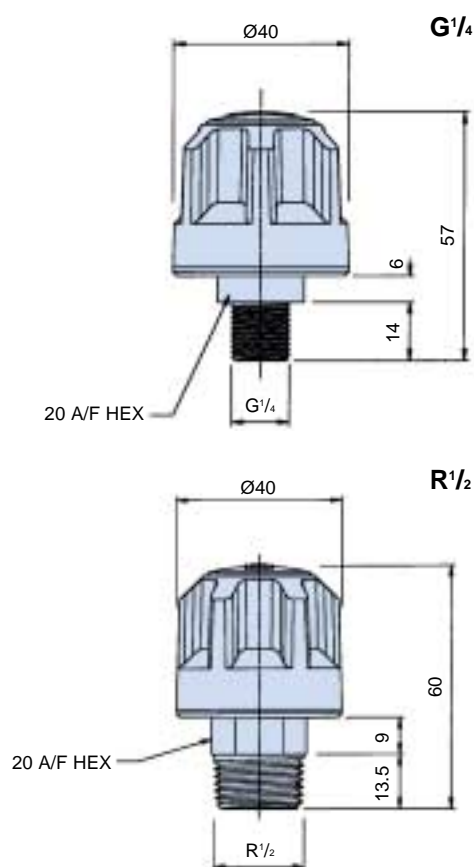


Option 2 – G¹/₄, G³/₈, R¹/₂ and R³/₄

Part Number	Supersedes	Description
AB.683101.UC	SBI.A1A1P	10 micron G ¹ / ₄ option 2 screw-on
AB.68X101.UC	SBI.B1A1P	10 micron G ³ / ₈ option 2 screw-on
AB.68Y101.UC	SBI.C1A1P	10 micron R ¹ / ₂ option 2 screw-on
AB.68Z101.UC	SBI.D1A1P	10 micron R ³ / ₄ option 2 screw-on

Note: Only available in multiples of 10

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



SCREW-ON TYPE AIR BREATHERS — SPECIFICATION

Option 3 – G³/₈, G¹/₂ and G³/₄ (Ø70)

Construction:

Mouldings in glass-filled nylon and glass coupled polypropylene.

Element:

Expanded Polyurethane foam, 10 micron.

Seals:

Nitrile.

Pressurised Air Breathers:

Available G³/₈, G¹/₂ and G³/₄,

3 pressure options to reduce the risk of contamination.

Pressurisation Options:

0.2, 0.35 and 0.7 bar crack pressure.

Pressurisation Valve:

Nylon.

Dipstick:

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

Dipstick Material:

Mini-series in brass.

Hi/Lo Indicators:

Acetal adjustable red/green level indicators.

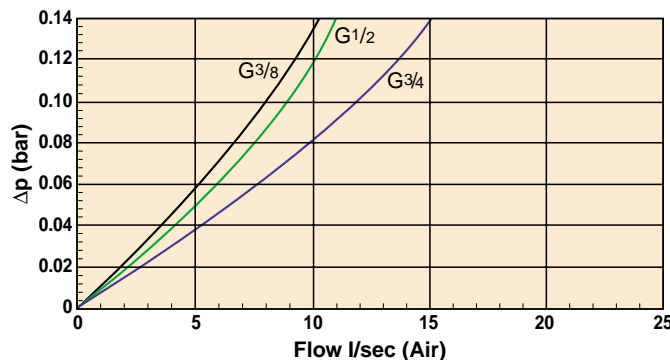
Dipstick Lengths:

200mm and 400mm (packs of 10).

Breather Weights:

0.075Kg, Mini-series – 0.019Kg.

PRESSURE DROP FLOW CURVES



Note: For pressure drop information on G³/₈, consult Parker Filtration.

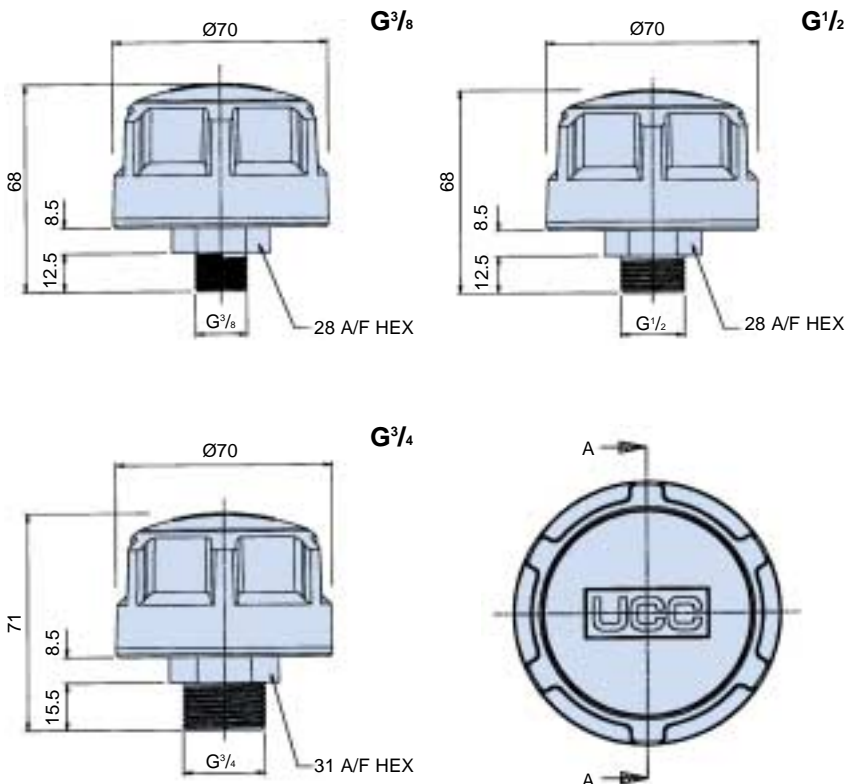
Option 3 – G³/₈, G¹/₂ and G³/₄

Part Number	Description
SAB.5101	10 micron G ³ / ₈ non-pressurised screw-on type
SAB.6101	10 micron G ¹ / ₂ non-pressurised screw-on type
SAB.7101	10 micron G ³ / ₄ non-pressurised screw-on type

Dipstick Ordering

Part Number	Supersedes	Description
DIP.206	DIP.FB2	Pack of 10 x 200mm dipsticks
DIP.207	DIP.FB4	Pack of 10 x 400mm dipsticks

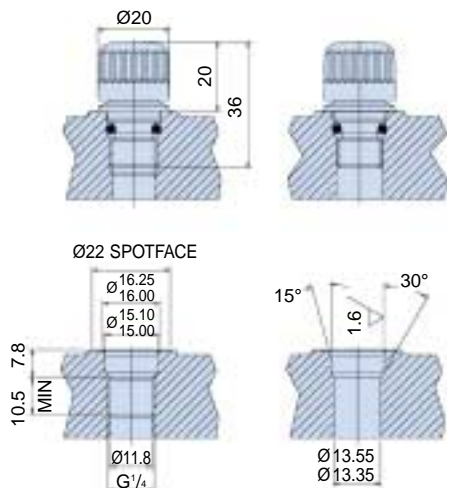
Note: Pressurised versions of G³/₈, G¹/₂ and G³/₄ models are available. Consult Parker Filtration.



THE MINI-SERIES BREATHER

Screw-on option

Push-fit option



Part Number	Description
S.680003	Gearbox air breather

Reservoir Equipment

Filler Breather Filters (Metal)



Filter flange type

Displacement:

720 l/min.

Micron rating:

10µ/40µ.

Air flow:

0.75m³/min.

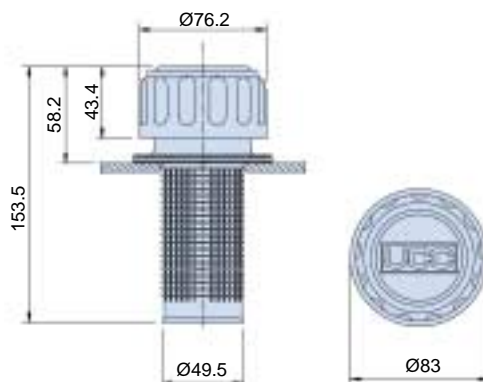
Weight:

0.27 Kg. (PAB.1730.**)**

0.24 Kg. (AB.1163.**)

Valve Crack Pressure:

0.35 and 0.7 bar.



Locking lug option (5515 & 5561)

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



ORDERING INFORMATION

Air Breather – Threaded and push-on type

Note: Zinc and yellow passivated caps available. Consult Parker Filtration.

Part Number	Supersedes		Displacement l/min	Rating Micron	Air Flow	Thread	Weight
SAB.1562.40	MBI.B2A2A1P	H00602-003	720	40	0.75m³/min	G ³ / ₄	0.20 Kg
SAB.1562.10	MBI.B1A2A1P	H00602-001	430	10	0.45m³/min	G ³ / ₄	0.20 Kg
SAB.1563.40	MBI.C2A2A1P	–	270	40	0.30m³/min	G ¹ / ₄	0.06 Kg
SAB.1563.10	MBI.C1A2A1P	–	135	10	0.15m³/min	G ¹ / ₄	0.06 Kg
AB.1381.40	MBI.E2A1A1P	–	720	40	0.75m³/min	–	0.13 Kg

Filler Breather – Filter flange type

Part Number Total Assembly	Supersedes		Part Number Cap Assembly	Supersedes	Displacement l/min	Rating Micron	Air Flow	Thread	Weight
AB.1163.40	MBI.D2A1B1P	H00153-003	CAP.1163.40	CPI.D2A1A1P	720	40	0.75m³/min	– –	0.24 Kg
AB.1163.10	MBI.D1A1B1P	H00153-001	CAP.1163.10	CPI.D1A1A1P	430	10	0.45m³/min	– –	0.24 Kg
AB.1380.40	MBI.A2A1B1P	–	CAP.1380.40	CPI.A2A1A1P	270	40	0.30m³/min	– –	0.07 Kg
AB.1380.10	MBI.A1A1B1P	–	CAP.1380.10	CPI.A1A1A1P	135	10	0.15m³/min	– –	0.08 Kg
5561	MBI.D1A1B2P	–	–	–	–	–	–	–	–
5515	MBI.D2A1B2P	–	–	–	–	–	–	–	–

Filler Breather – Filter type (Pressurised)

Part Number Total Assembly	Supersedes		Part Number Cap Assembly	Supersedes	Displacement l/min	Rating Micron	Air Flow	Thread	Weight
*PAB.1730.40.5	MBI.D2C1B1P	H00153-004	*CAP.1730.40.5	CPI.D2C1A1P	720	40	0.75m³/min	– –	0.27 Kg
**PAB.1730.40.10	MBI.D2D1B1P	–	**CAP.1730.40.10	CPI.D2D1A1P	720	40	0.75m³/min	– –	0.27 Kg
*PAB.1730.10.5	MBI.D1C1B1P	H00153-002	*CAP.1730.40.5	CPI.D1C1A1P	430	10	0.45m³/min	– –	0.27 Kg
**PAB.1730.10.10	MBI.D1D1B1P	–	**CAP.1730.10.10	CPI.D1D1A1P	430	10	0.45m³/min	– –	0.27 Kg

Air Breather – Threaded type (Pressurised)

Part Number	Supersedes		Displacement l/min	Rating Micron	Air Flow	Thread	Weight
*SPA.1731.40.5	MBI.B2C2A1P	H00602-004	720	40	0.75m³/min	G ³ / ₄	0.20 Kg
**SPA.1731.40.10	MBI.B2D2A1P	–	720	40	0.75m³/min	G ³ / ₄	0.20 Kg
*SPA.1731.10.5	MBI.B1C2A1P	H00602-002	430	10	0.45m³/min	G ³ / ₄	0.20 Kg
**SPA.1731.10.10	MBI.B1D2A1P	–	430	10	0.45m³/min	G ³ / ₄	0.20 Kg

* Valve Crack Pressure 0.35 bar. **Valve Crack Pressure 0.70 bar. For dipstick and locking lug options consult Parker Filtration.

Threaded type (Pressurised)

Displacement:

720 l/min.

Micron Rating:

10µ/40µ.

Air Flow:

0.75m³/min.

Weight:

0.2 Kg.

Thread:

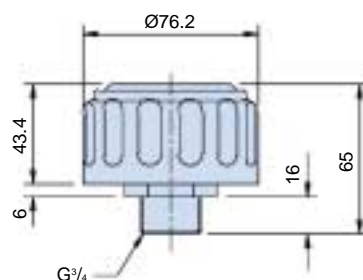
G³/₄.

Valve Crack-

Pressure:

0.35 and

0.7 bar.



35 A/F HEX

Threaded type

Displacement:

270 l/min.

Micron rating:

10µ/40µ.

Air flow:

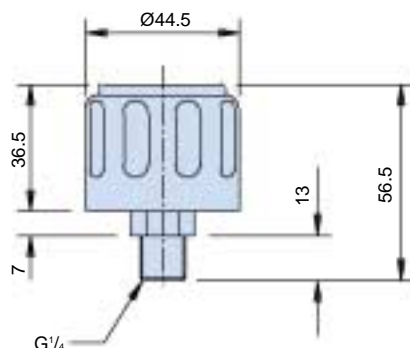
0.3m³/min.

Weight:

0.06 Kg.

Thread:

G¹/₄.



16 A/F HEX

Push on type

Displacement:

720 l/min.

Micron rating:

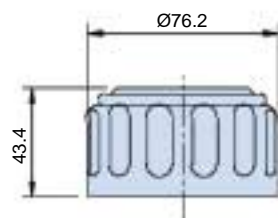
40µ.

Air flow:

0.75m³/min.

Weight:

0.13 Kg.



RETAINING
SPRING CLIP

Filter flange type

Displacement:

270 l/min.

Micron rating:

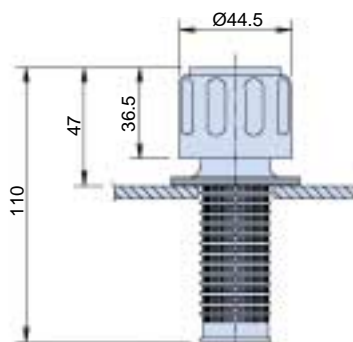
10µ/40µ.

Air flow:

0.3m³/min.

Weight:

0.07 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

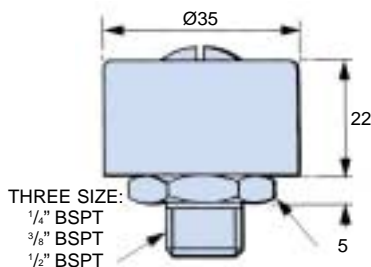
Form 6 off mounting holes between Ø4.0 and Ø4.4 equispaced on 73.0 P.C.D. to suit No. 10 thread forming screws supplied.

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



THREE SIZE:
1/4" BSPT
3/8" BSPT
1/2" BSPT

ORDERING INFORMATION

Part Number	Description
H00279-001	Small breather 1/4" BSPT thread
H00279-002	Small breather 3/8" BSPT thread
H00279-003	Small breather 1/2" BSPT thread

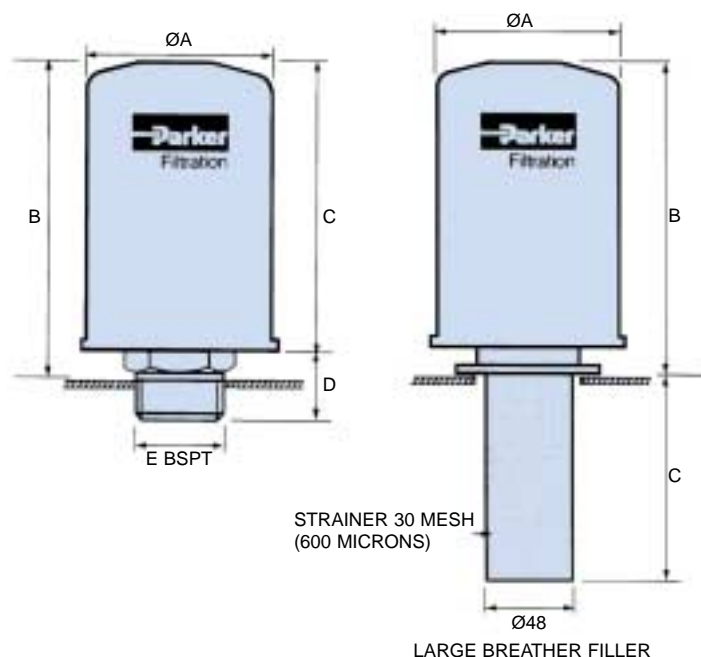
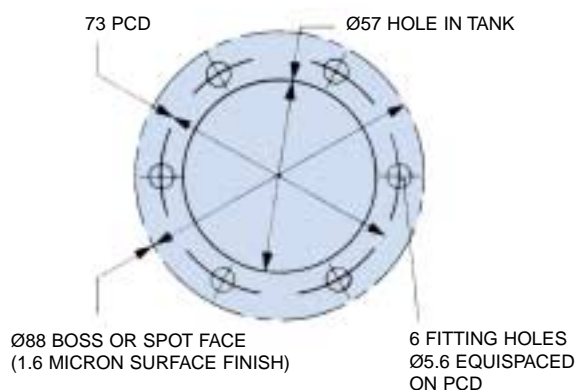
Reservoir Equipment

Spin-On Air Breathers



- 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: H00834-001 1.0 Kg Small: 0.12g
H00834-002 1.65 Kg
H00834-003 1.90 Kg

Each breather filler is supplied with mounting gaskets and self-tapping screws.

ORDERING INFORMATION

Large Breather Dimensions

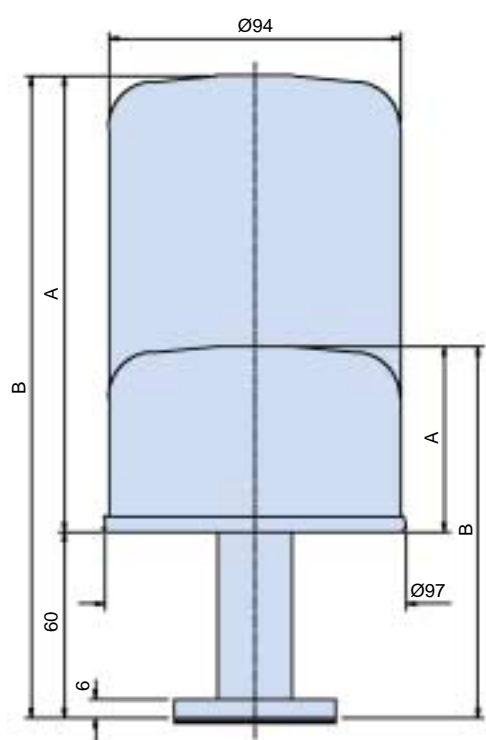
Part Number	Air Flow Rate	Dimensions				
		A	B	C	D	E
H00834-004	1700 l/min	97	147	135	30	3/4
H00834-005	3000 l/min	134	198	180	36	1 1/4

Large Breather Filler Dimensions

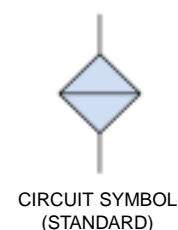
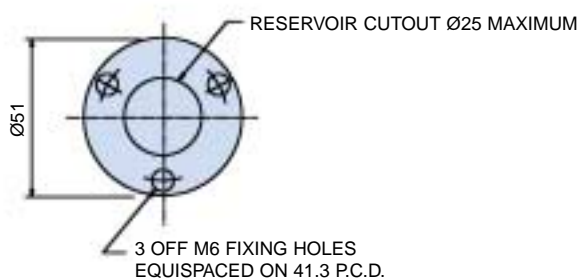
Part Number	Air Flow Rate	Dimensions			Replacement breather canisters including bayonet for
		A	B	C	
H00834-001	1700 l/min	97	165	114	H00834-006
H00834-002	3000 l/min	134	204	114	H00834-007
H00834-003	3000 l/min	134	204	203	H00834-007



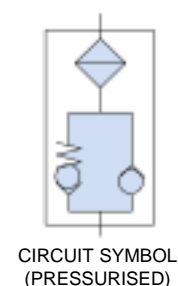
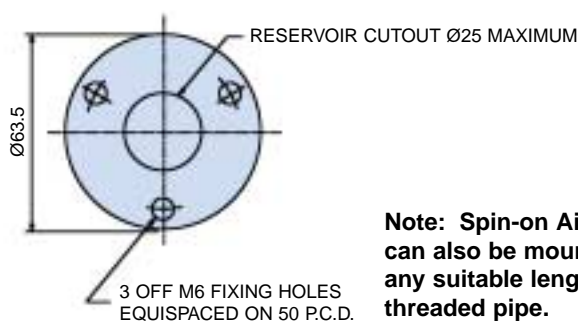
- High capacity air filters designed for the removal of airborne contamination in hydraulic systems to support environmental maintenance.
- Ideal for high flow systems and heavily contaminated environments.
- Disposable spin-on elements quickly and easily replaced.
- 5 micron quality filtration elements.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

5 micron Spin-on Air Breathers

Part Number	Air Flow Rate	A mm	B mm	Weight	Replacement Element
S.340056	700 l/min	60	120	0.6 Kg	4930
S.340052	1500 l/min	148	208	0.75 Kg	5884.10

Pressurised 5 micron Spin-on Air Breathers

Note: The reservoir must be capable of withstanding pressurisation.

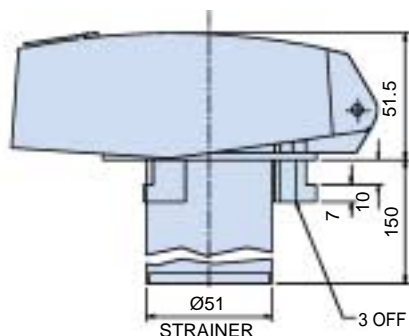
Part Number	Air Flow Rate	A mm	B mm	Weight	Replacement Element
*S.340058	700 l/min	60	120	0.69 Kg	4930
**S.340059	700 l/min	60	120	0.69 Kg	4930
* S.340054	1500 l/min	148	208	0.8 Kg	5884.10
**S.340055	1500 l/min	148	208	0.8 Kg	5884.10

* Valve Crack Pressure 0.35 bar. ** Valve Crack Pressure 0.70 bar.

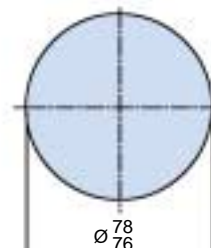
Reservoir Equipment

Lockable Filler Breathers

INSTALLATION DETAILS

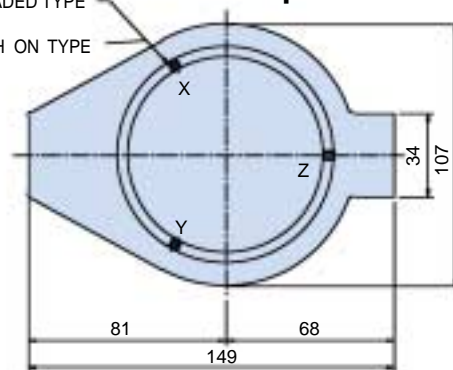


Tank Mounting



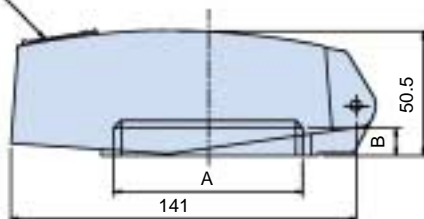
TANK MOUNTING HOLE

Stand Pipe Mounting



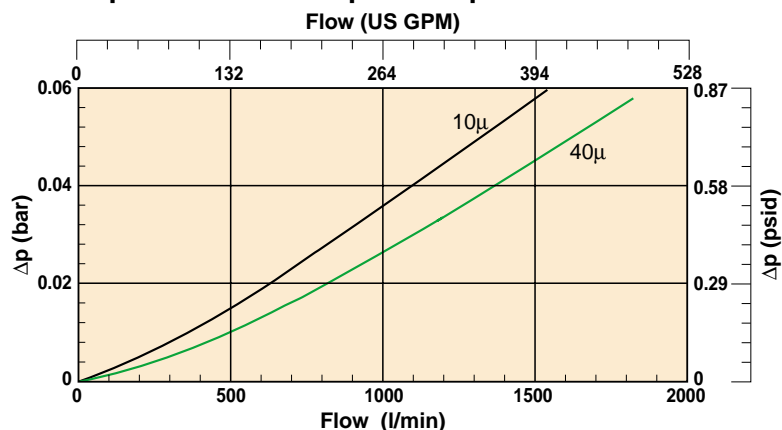
2 LOCKING SCREWS THREADED TYPE
AT POSITIONS X AND Y
3 LOCKING SCREWS PUSH ON TYPE
AT POSITIONS X, Y AND Z

FLAP TO PROTECT LOCK



LOCKABLE FILLER BREATHER SELECTION

Total assembly pressure drop flow curve – 10 μ and 40 μ elements



ORDERING INFORMATION

Part Number	Description
LFC.622122	Non-breathing (No element) 2" BSP thread with strainer
LFC.622142	Non-breathing (No element) Clamp mounting with strainer
LFC.622212	10 μ element, G2 thread with strainer
LFC.622222	10 μ element, G2 $\frac{1}{2}$ thread with strainer
LFC.622242	10 μ element, clamp mounting with strainer
LFC.622311	40 μ element, G2 thread without strainer
LFC.622312	40 μ element, G2 thread with strainer
LFC.622321	40 μ element, G2 $\frac{1}{2}$ thread without strainer
LFC.622331	40 μ element, push on mounting without strainer
LFC.622342	40 μ element, clamp mounting with strainer
LFC.622411	10 μ vented (air in) G2 thread without strainer
LFC.622432	10 μ vented (air in) push on mounting with strainer
LFC.622531	40 μ vented (air in) push on mounting without strainer

SPECIFICATION



Construction:

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

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.

Indicator:

Blue alcohol.

Note:

1. Locate seals in mounting recess before fitting.
2. After choosing 'fluid level only' or 'with temperature', select the size required by studying the installation details to determine a part number.

INSTALLATION DATA

For 'through hole' mounting:

	-Thread-	
Hole size	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

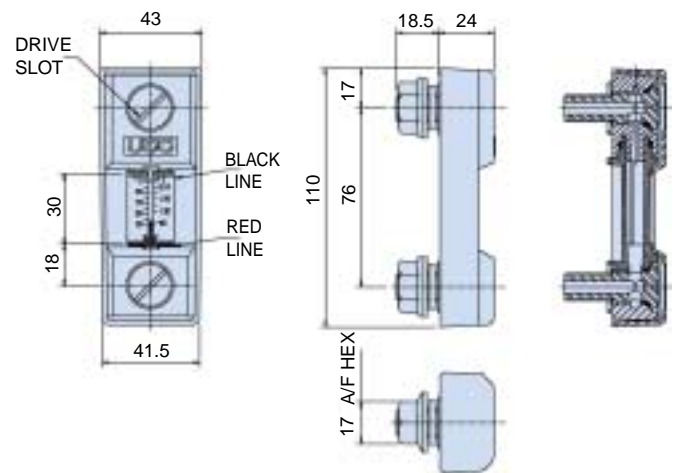
Simple to Install

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 INSTALLATION DETAILS



ORDERING INFORMATION

Size 1. 76mm Centres. M10 Thread

Part Number	Supersedes		Description	Centres	Thread	Max Temp	Weight
FL.111	LGI.A1A2P	–	Fluid Level	76mm	M10	90°C	0.13 Kg
FLT.121	LGI.A2A2P	–	Fluid Level/Temp	76mm	M10	90°C	0.13 Kg

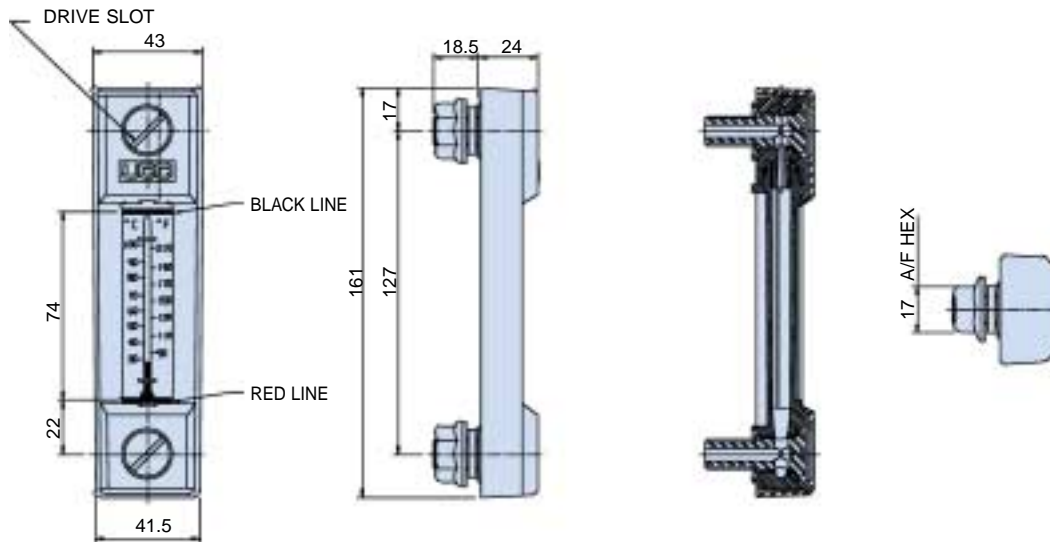
Size 1. 76mm Centres. M12 Thread

Part Number	Supersedes		Description	Centres	Thread	Max Temp	Weight
FL.113	LGI.A1B2P	H00361-001	Fluid Level	76mm	M12	90°C	0.13 Kg
FLT.123	LGI.A2B2P	–	Fluid Level/Temp	76mm	M12	90°C	0.13 Kg

Reservoir Equipment

Fluid Level Temperature Gauges

SIZE 2 INSTALLATION DETAILS



ORDERING INFORMATION

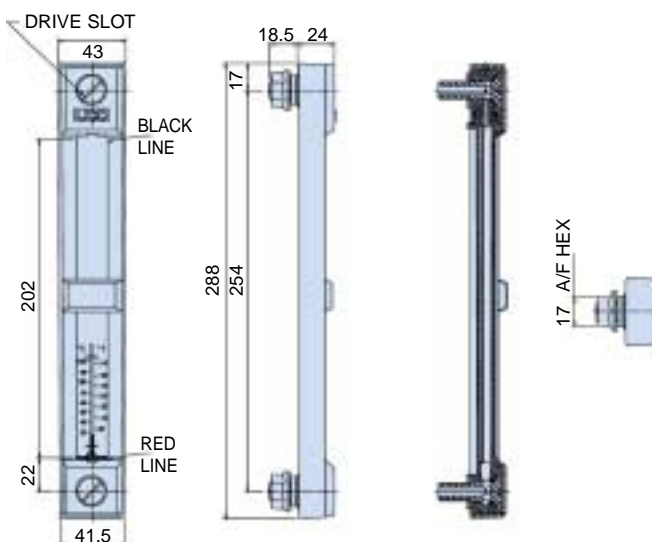
Size 2. 127mm Centres. M10 Thread

Part Number	Supersedes		Description	Centres	Thread	Max Temp	Weight
FL.211	LGI.B1A2P	—	Fluid Level	127mm	M10	90°C	0.15 Kg
FLT.221	LGI.B2A2P	—	Fluid Level/Temp	127mm	M10	90°C	0.15 Kg

Size 2. 127mm Centres. M12 Thread

Part Number	Supersedes		Description	Centres	Thread	Max Temp	Weight
FL.213	LGI.B1B2P	H00361-004	Fluid Level	127mm	M12	90°C	0.15 Kg
FLT.223	LGI.B2B2P	—	Fluid Level/Temp	127mm	M12	90°C	0.15 Kg

SIZE 3 INSTALLATION DETAILS



ORDERING INFORMATION

Size 3. 254mm Centres. M10 Thread

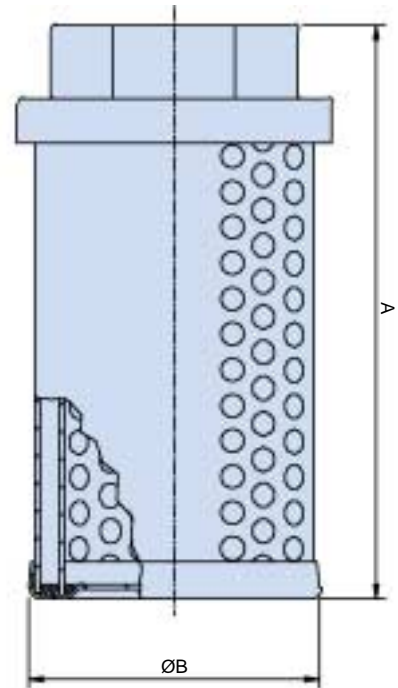
Part Number	Supersedes		Description	Centres	Thread	Max Temp	Weight
FL.311	LGI.C1A2P	—	Fluid Level	254mm	M10	90°C	0.23 Kg
FLT.321	LGI.C2A2P	—	Fluid Level/Temp	254mm	M10	90°C	0.23 Kg

Size 3. 254mm Centres. M12 Thread

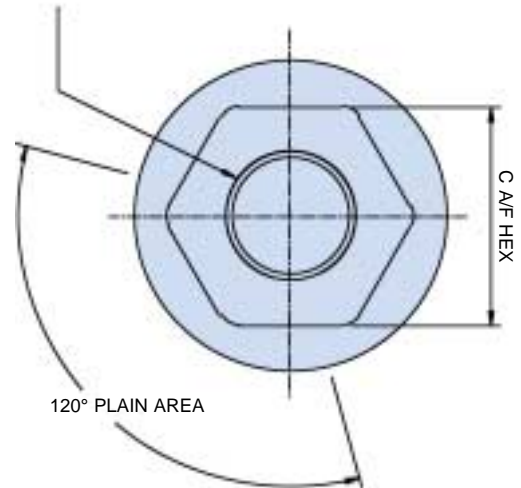
Part Number	Supersedes		Description	Centres	Thread	Max Temp	Weight
FL.313	LGI.C1B2P	H00361-007	Fluid Level	254mm	M12	90°C	0.23 Kg
FLT.323	LGI.C2B2P	—	Fluid Level/Temp	254mm	M12	90°C	0.23 Kg



INSTALLATION DETAILS



MOUNTING THREAD



SPECIFICATION

Construction:

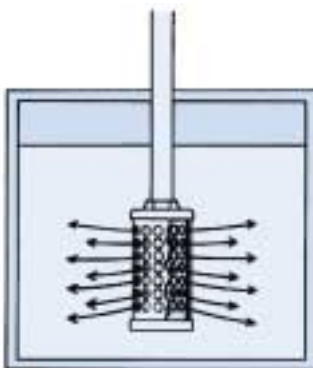
Zintec body.
30% glass-filled nylon head.
Zintec end cap.
Epoxy adhesives.

Flow Range:

50 l/min up to 454 l/min.

Mounting Threads:

G³/₄ 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

Part Number	Supersedes		Description	Amm	Bmm	Cmm	Weight Kg
2210	DFI.A2AP	–	G¾ Diffuser for flows up to 100 l/min	120	62	46	0.27
2201	DFI.B4AP	–	G1 Diffuser for flows up to 140 l/min	127	86	55	0.42
2202	DFI.B6AP	H00835-004	G1½ Diffuser for flows up to 227 l/min	178	86	65	0.56
2203	DFI.B9AP	H00835-005	G2 Diffuser for flows up to 454 l/min	242	86	75	0.69

Typical pressure drop at rated flow equals 0.035 bar.

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.

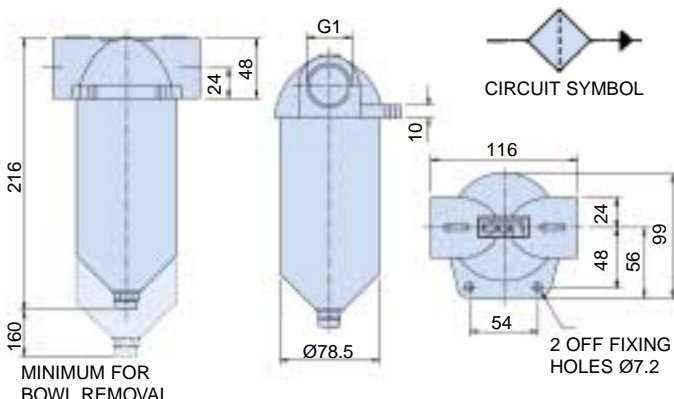
Bowl tightening torque:
12 Nm.

Flow direction:
From outside to inside.

Weight:
1.5 Kg.

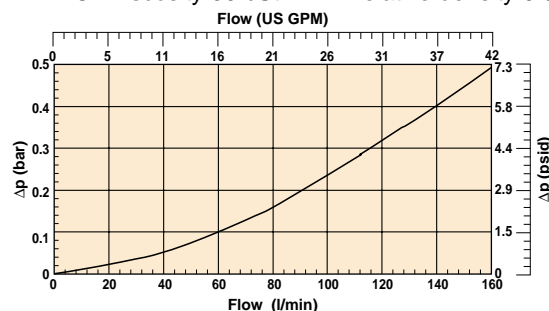
*Alternative media can be specified.

INSTALLATION DETAILS



FILTER SELECTION

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



ORDERING INFORMATION

Part Number	Flow l/min	Thread	Micron Rating	Replacement Element
IL.1115	90	G1	125	E.IL.1115

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. 1 5/16 – 12 UN – 2B.

*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.

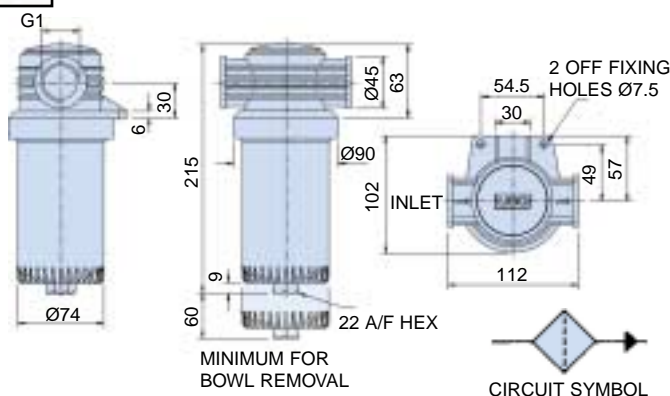
Bowl Tightening Torque:
12 Nm.

Bowl Tightening Note:
A box or ring spanner is recommended.

Flow Direction:
From outside to inside.

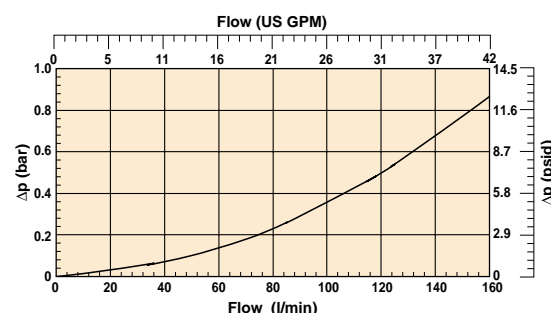
Weight:
0.5 Kg.

INSTALLATION DETAILS



FILTER SELECTION

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



ORDERING INFORMATION

Part Number	For use with	Description	Weight Kg	Replacement Element
IL.1151	OIL	125 micron filter, G1 thread, oil	0.5	R.76115 (oil)
IL.1153	OIL	125 micron filter, G1 5/16" – 12 UN – 2B, oil	0.5	R.76115 (oil)
IL.1251	WATER	125 micron filter, G1 thread, water	0.5	R.76125 (water)
IL.1253	WATER	125 micron filter, G1 5/16" – 12 UN – 2B, water	0.5	R.76125 (water)



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.

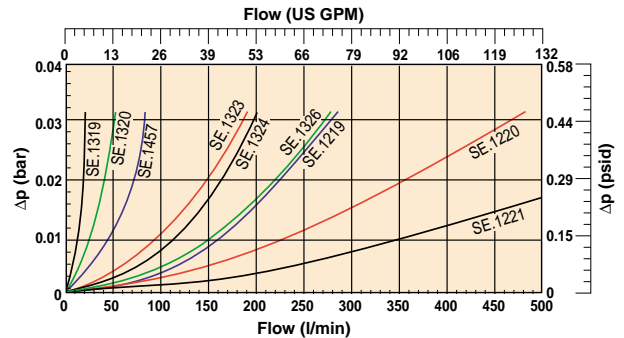
By-pass rating:

0.17 bar.

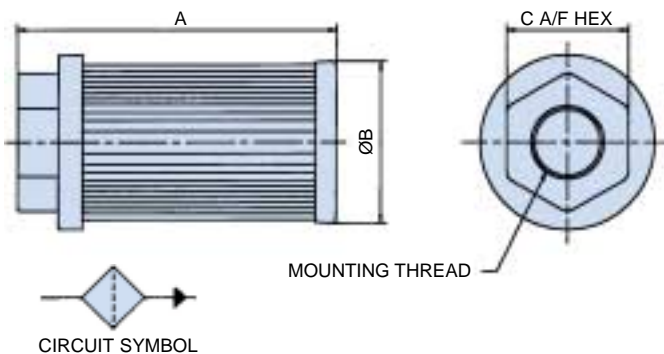
Mounting threads:

G $\frac{1}{2}$ up to G3.

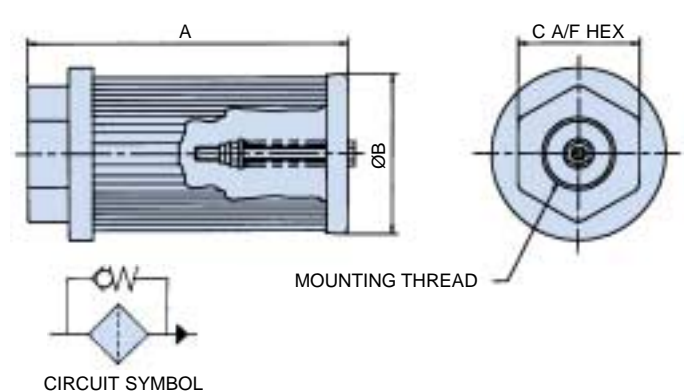
* NON-STANDARD ELEMENTS ARE
AVAILABLE TO ORDER, NPT OPTIONS
AVAILABLE. CONSULT PARKER
FILTRATION.



INSTALLATION — SUCTION ELEMENTS WITHOUT BYPASS



INSTALLATION — SUCTION ELEMENTS WITH BYPASS



ORDERING INFORMATION — WITHOUT BYPASS

Note: To select filter element relate l/min directly to pump flow rating. The following range is standard, but other ratings are available.

Part Number without by-pass	Supersedes	Flow l/min	Thread G	Thread BSP	Micron Rating	A mm	B mm	C mm	Weight Kg
SE.1319	SSI.A1A1AP	15	$\frac{1}{2}$	$\frac{1}{2}$	125	105.5	46	36	0.08
SE.1320	SSI.B2A1AP	25	$\frac{3}{4}$	$\frac{3}{4}$	125	109.5	64	46	0.15
SE.1457	SSI.B3A1AP	50	1	1	125	139.5	64	55	0.17
SE.1323	SSI.C4A1AP	95	$1\frac{1}{2}$	$1\frac{1}{2}$	125	140	86	65	0.28
SE.1324	SSI.C5A1AP	130	$1\frac{1}{2}$	$1\frac{1}{2}$	125	200	86	65	0.33
SE.1326	SSI.C6A1AP	180	2	2	125	260	86	75	0.40
SE.1219	SSI.D7A1AP	225	2	2	125	150	150	70	0.64
SE.1220	SSI.D8A1AP	350	$2\frac{1}{2}$	$2\frac{1}{2}$	125	212	150	90	0.72
SE.1221	SSI.D9A1AP	500	3	3	125	272	150	100	0.92

ORDERING INFORMATION — WITH BYPASS

Note: To select filter element relate l/min directly to pump flow rating. The following range is standard, but other ratings are available.

Part Number with by-pass	Supersedes	Flow l/min	Thread G	Thread BSP	Micron Rating	A mm	B mm	C mm	Weight Kg
SE.5100	SSI.A1A1BP	15	$\frac{1}{2}$	$\frac{1}{2}$	125	105.5	46	36	0.11
SE.5101	SSI.B2A1BP	25	$\frac{3}{4}$	$\frac{3}{4}$	125	109.5	64	46	0.18
SE.5102	SSI.B3A1BP	50	1	1	125	139.5	64	55	0.21
SE.5103	SSI.C4A1BP	95	$1\frac{1}{2}$	$1\frac{1}{2}$	125	140	86	65	0.31
SE.5104	SSI.C5A1BP	130	$1\frac{1}{2}$	$1\frac{1}{2}$	125	200	86	65	0.36
SE.5105	SSI.C6A1BP	180	2	2	125	260	86	75	0.43
SE.5106	SSI.D7A1BP	225	2	2	125	150	150	70	0.67
SE.5107	SSI.D8A1BP	350	$2\frac{1}{2}$	$2\frac{1}{2}$	125	212	150	90	0.75
SE.5108	SSI.D9A1BP	500	3	3	125	272	150	100	0.95

Note: Non-standard elements available.

Reservoir Equipment

Drive Couplings



TECHNICAL DATA

Materials of Construction

Coupling Halves
Sintered Sleeves

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 apply to *Rating/100 rev/min below.

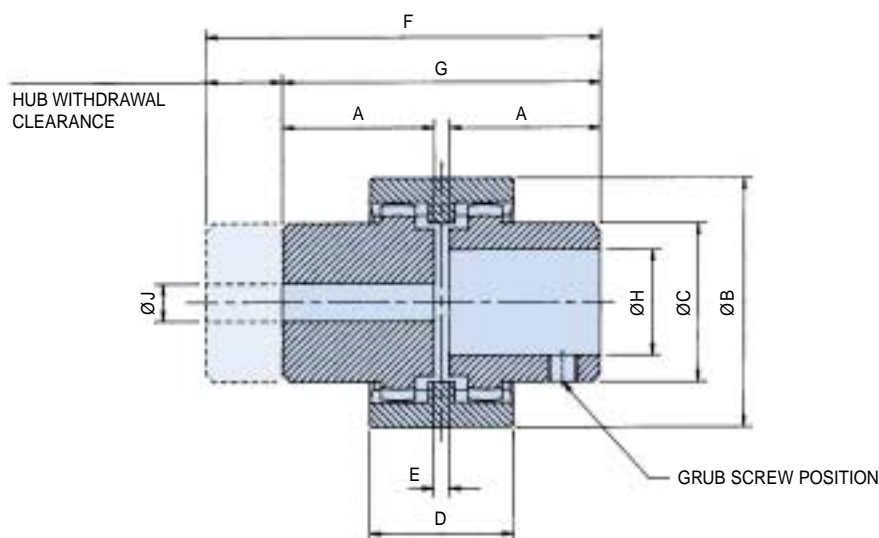
It is advisable always to check shaft sizes being used on application and check with dimension 'H'.

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

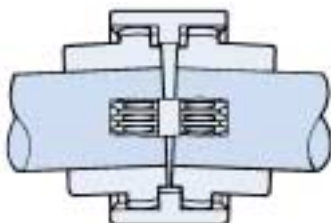
$$\text{*Rating of coupling} = \frac{\text{HP of application} \times 100 \times F}{\text{rev/min of application}}$$

INSTALLATION DETAILS

HUB WITHDRAWAL CLEARANCE



SECTIONED DETAIL



ORDERING INFORMATION

Ordering examples

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

1. Complete assembly – **DC.28.M14.B04K**
Made up of a **DC.28.M14**
DC.28.B04K
DC.28.S (Sleeve)

Complete model **DC.28** 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 – **DCR.42.PB.PB**
Made up of 2x **DCR.42.PB's**
DC.42.S (Sleeve)

Complete model **DC.42** drive coupling: Both Gear Hubs have pilot bore of 10.5mm. Not supplied with grub screws.

3. Complete assembly – **DCR.55.PB.B12K**
Made up of a **DCR.55.PB**
DC.55.B12K
DC.55.S (Sleeve)

Complete model **DC.55** drive coupling: One Gear Hub pilot bored 5/8", the other hub pilot bored 1 1/2". Latter only supplied with grub screw.

ORDERING INFORMATION

Part Number	Max Speed rev/min	*Rating/ 100 rev/min kW	hp	Weight	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Max Bore	—H— Min Bore	J Pilot Bore
DC.28	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
DC.42	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
DC.55	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

Model DC.28

Coupling halves with Metric Bore and Keyway				
Part Number	ØBore	Width	Height	
DC.28.M10	10.0mm	3.0mm	11.5mm	Weight range from .267 Kg to .411 Kg
DC.28.M11	11.0mm	4.0mm	12.9mm	
DC.28.M14	14.0mm	5.0mm	16.4mm	
DC.28.M16	16.0mm	5.0mm	18.4mm	
DC.28.M18	18.0mm	6.0mm	20.9mm	
DC.28.M19	19.0mm	6.0mm	21.9mm	
DC.28.M20	20.0mm	6.0mm	22.9mm	
DC.28.M22	22.0mm	6.0mm	24.9mm	
DC.28.M24	24.0mm	8.0mm	27.5mm	
DC.28.M25	25.0mm	8.0mm	28.5mm	
DC.28.M28	28.0mm	8.0mm	31.5mm	

	Coupling halves with Imperial Bore and Keyway			
	Keyway			
Part Number	ØBore	Width	Height	
DC.28.B03K	⁷ / ₁₆	0.125 ins	0.50 ins	Weight range from .259 Kg to .411 Kg
DC.28.B04K	¹ / ₂	0.125 ins	0.57 ins	
DC.28.B05K	⁵ / ₈	0.188 ins	0.72 ins	
DC.28.B06K	³ / ₄	0.188 ins	0.84 ins	
DC.28.B07K	⁷ / ₈	0.250 ins	0.99 ins	
DC.28.B08K	1	0.250 ins	1.12 ins	
DC.28.B09K	1 ¹ / ₈	0.313 ins	1.24 ins	
Part Number	Coupling half pilot bored			
DCR.28.PB	Ø Bore 8mm			
Part Number				
DC.28.S	Drive Coupling Sleeve			

Model DC.42

Coupling halves with Metric Bore and Keyway				
Part Number	ØBore	Width	Height	
DC.42.M18	18.0mm	6.0mm	20.9mm	Weight range from .436 Kg to .75 Kg
DC.42.M19	19.0mm	6.0mm	21.9mm	
DC.42.M20	20.0mm	6.0mm	22.9mm	
DC.42.M22	22.0mm	6.0mm	24.9mm	
DC.42.M24	24.0mm	8.0mm	27.5mm	
DC.42.M25	25.0mm	8.0mm	28.5mm	
DC.42.M28	28.0mm	8.0mm	31.5mm	
DC.42.M30	30.0mm	8.0mm	33.5mm	
DC.42.M32	32.0mm	10.0mm	35.5mm	
DC.42.M35	35.0mm	10.0mm	38.5mm	
DC.42.M38	38.0mm	10.0mm	41.5mm	
DC.42.M42	42.0mm	12.0mm	45.5mm	

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

- Maximum angular misalignment is $\pm 2^\circ$. Maximum radial misalignment is ± 0.4 mm.

Coupling halves with Imperial Bore and Keyway				
	Keyway			
Part Number	ØBore	Width	Height	
DC.42.B05K	⁵ / ₈	0.188 ins	0.72 ins	Weight range from .448 Kg to .753 Kg
DC.42.B06K	³ / ₄	0.188 ins	0.84 ins	
DC.42.B07K	⁷ / ₈	0.250 ins	0.99 ins	
DC.42.B08K	1	0.250 ins	1.12 ins	
DC.42.B09K	1 ¹ / ₈	0.313 ins	1.24 ins	
DC.42.B10K	1 ¹ / ₄	0.313 ins	1.37 ins	
DC.42.B11K	1 ³ / ₈	0.375 ins	1.49 ins	
DC.42.B12K	1 ¹ / ₂	0.375 ins	1.61 ins	
DC.42.B13K	1 ⁵ / ₈	0.439 ins	1.76 ins	
Part Number	Coupling half pilot bored			
DC.42.PB	Ø Bore 12mm			
Part Number				
DC.42.S	Drive Coupling Sleeve			

Model DC.55

Coupling halves with Metric Bore and Keyway				
Part Number	ØBore	Width	Height	
DC.55.M25	25.0mm	8.0mm	28.5mm	Weight range from 1.248 Kg to 1.932 Kg
DC.55.M28	28.0mm	8.0mm	33.5mm	
DC.55.M30	30.0mm	8.0mm	33.5mm	
DC.55.M32	32.0mm	10.0mm	35.5mm	
DC.55.M35	35.0mm	10.0mm	38.5mm	
DC.55.M38	38.0mm	10.0mm	41.5mm	
DC.55.M42	42.0mm	12.0mm	45.5mm	
DC.55.M55	55.0mm	16.0mm	59.5mm	

Coupling halves with Imperial Bore and Keyway				
Part Number	Keyway			Weight range from 1.248 Kg – 2.046 Kg
	ØBore	Width	Height	
DC.55.B09K	1 ¹ / ₈	0.313 ins	1.24 ins	
DC.55.B10K	1 ¹ / ₄	0.313 ins	1.37 ins	
DC.55.B11K	1 ³ / ₈	0.375 ins	1.49 ins	
DC.55.B12K	1 ¹ / ₂	0.375 ins	1.61 ins	
DC.55.B13K	1 ⁵ / ₈	0.439 ins	1.76 ins	
DC.55.B14K	1 ³ / ₄	0.439 ins	1.89 ins	
DC.55.B15K	1 ⁷ / ₈	0.501 ins	2.01 ins	
DC.55.B16K	2	0.501 ins	2.13 ins	
DC.55.B17K	2 ¹ / ₈	0.626 ins	2.31 ins	
Part Number	Coupling half pilot bored			
DCR.55.PB	Ø Bore 16mm			
Part Number				
DC.55.S	Drive Coupling Sleeve			

- 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.
- When in position, the hubs should have a gap of 4mm as denoted by 'E' dimension.
- Tighten grub screws to locate both gear hubs on to their respective shafts.

Reservoir Equipment

Multiclamp



SPECIFICATION

When only the best Clamping System will dospecify Multiclamp

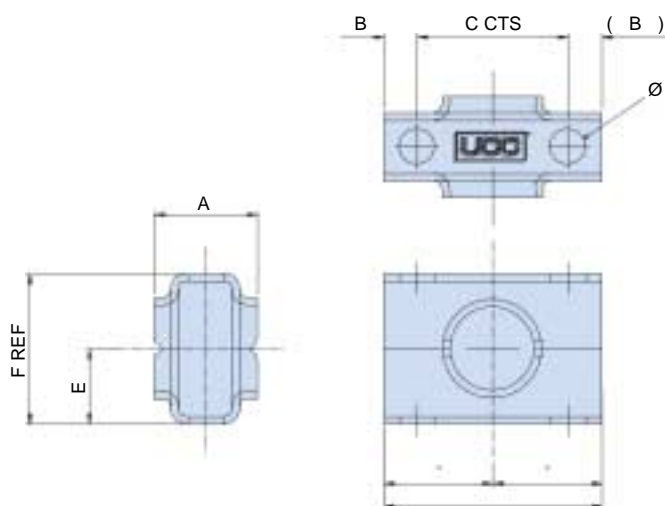
Multiclamp is a system. A system of components, each one engineered to a high standard – that together build to provide effective, all-purpose pipework clamping. Multiclamp offers creative and cost-effective environmental benefits to the system designer and installer. Creating accurate runs of varying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

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

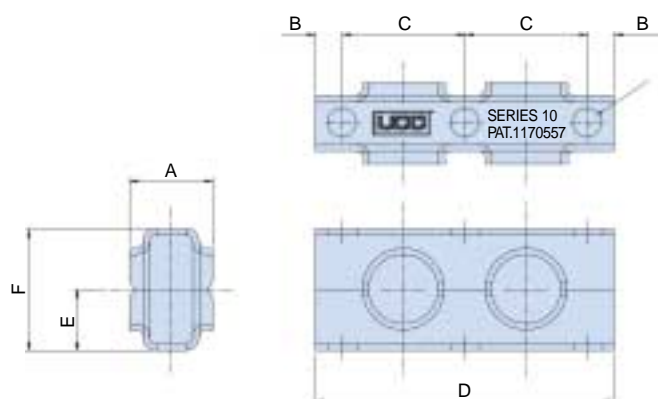
The neat design of pipe line runs offers easy maintenance of machinery and plant equipment. Visual planning of lines runs is straightforward with Multiclamp – accurate installations can be achieved without skilled labour – keeping costs down and quality up.

Single and **double** clamping units are ordered in sets only. i.e. 1 set of clamping units = 10 pairs. Multiclamp is not ordered in set. i.e. 1-off clamping unit = 1 upper and 1 lower clamping unit.

Single Clamp

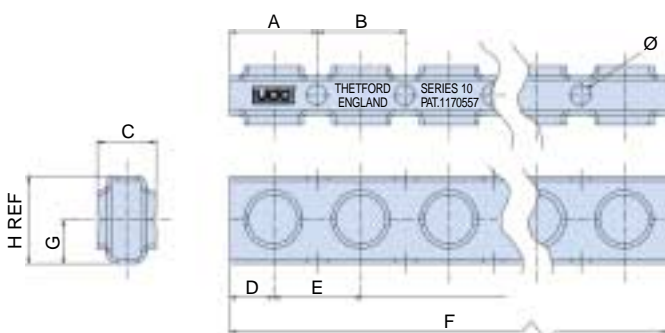


Double Clamp



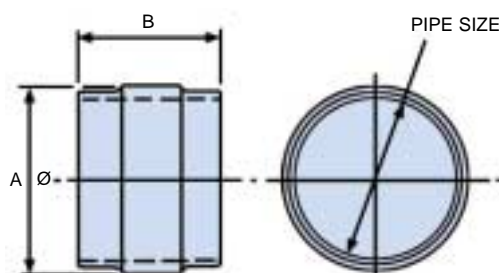
Multiclamp — 16 holes

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

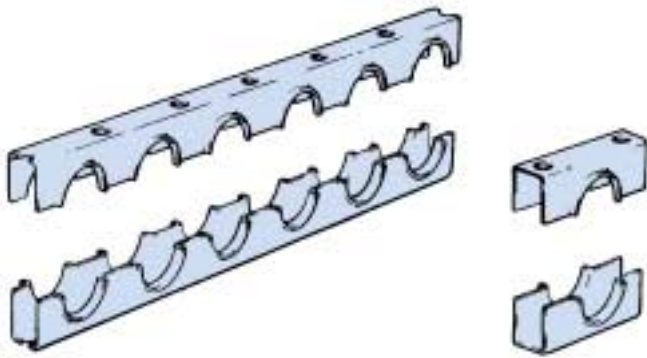


MATERIAL SPECIFICATIONS

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.

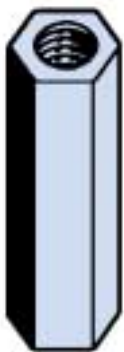
Series 10 will accept pipe or hose diameters from 6mm up to 20mm maximum. Series 16 from 6mm up to 28mm and Series 32 from 10mm up to 50mm. Across the 3 Series, there are 26 different high-quality split rubber bushes to select from to cope with any combination and number of different pipe and hose diameters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

Components



Clamping Unit

A dual purpose unit which provides both halves of a complete clamp. Supplied in various sizes which provides for easy installation or removal of tube fittings using conventional methods. This simple component forms the basis of the Multiclamp system.



Stacking Nut

Used in conjunction with STACKING STUD for continuous stacking of CLAMPING UNITS. This holds two units firmly together in suspension and secures the lower unit to a base column or support. The STACKING NUT maintains correct alignment as each Multiclamp is progressively stacked. It is simply fixed and allows for the upper unit to be securely fastened in place by a standard bolt.

Split Bushing

Made from an ethylene – propylene copolymer (EPDM). The bushes exhibit excellent capability to absorb vibratory loads applied by retained pipework and reduced noise transmission from pipework to surrounding metal supports etc. The bushes have good mechanical



properties and are highly resistant to ozone weathering and a wide range of chemicals. They offer a good electrical insulation and are suitable for use over a wide temperature range. Note that if bushes are required for immersion in mineral oils, an alternative material is recommended.

Mounting Adaptor

A metal bushing that fits into the line opening of the clamping unit. Similar to a split bushing, this component accommodates standard attaching bolts when making a suspended mount of a plate or column. A bridge-type mount can be formed by using one adaptor on each end of a Multiclamp. The adaptors are available in sizes to suit all Series clamping units.



Fixing Methods



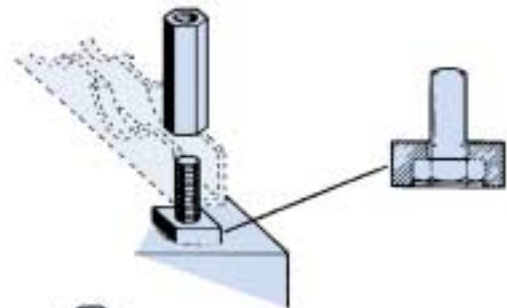
Stacking Stud

The STACKING STUD can be threaded into a tapped hole in the mounting base or plate, then the STACKING NUT is tightened down securely with a spanner.

Weld Plate

When Multiclamp is required to be secured by welding, insert standard bolt into WELD PLATE. Hexagon head of Standard Bolt is retained in hexagonal recess on underside of WELD PLATE, leaving a flush surface for mounting. Secure to lower clamping unit with STACKING NUT (finger tight). Repeat for each welding position.

Assemble lower clamping unit to mounting surface by welding each WELD PLATE and finally tighten each STACKING NUT before proceeding with remainder of installation.

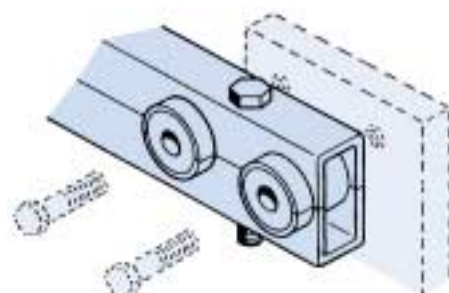


Stacking Stud and Nut

When mounting plate has a thickness of 9.5mm (3/8") or less, STACKING STUD should be screwed into STACKING NUT and stud passed through drilled hole and secured with a retaining nut.

Mounting Adaptor

A MULTICLAMP can be secured and suspended from a column or mounting plate by using MOUNTING ADAPTORS and standard attaching bolts. Additional MULTICLAMPS can also be stacked on to the mounted clamp.



Reservoir Equipment

Multiclamp

PLANNING WITH MULTICLAMP

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%.

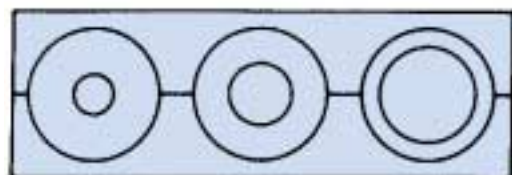
If a factory installation is being built in phases, it would be wise to leave the first phase with a lower clamping unit and Stacking Nuts in position ready to receive pipe runs for the next building phase.



Series 10
6.0mm-20.0mm
($\frac{1}{4}$ "- $\frac{3}{4}$ ")

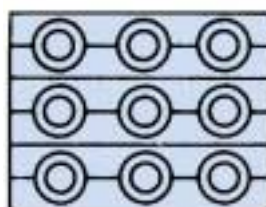


Series 16
6.0mm-28.0mm
($\frac{1}{4}$ "-1")

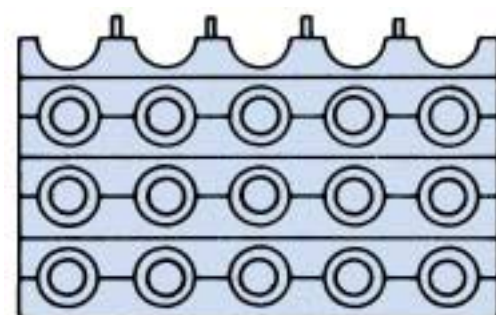
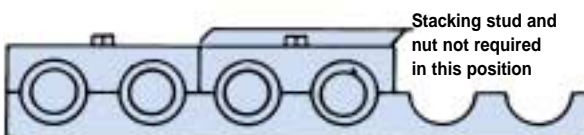


Series 32
10.0mm-50.0mm
($\frac{3}{8}$ "-2")

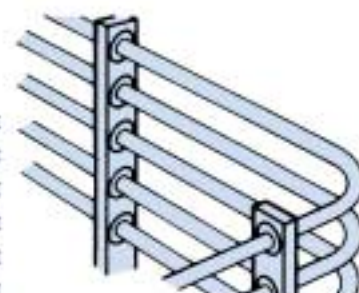
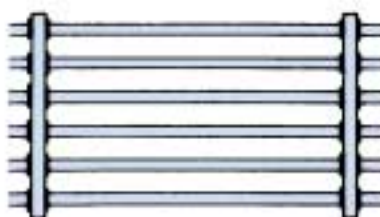
Your maximum pipe size will determine the series to use. There is a degree of versatility provided by the rubber bushes. You choose from single or multistacked Multiclamp, whichever suits your particular installation requirements.



Stacked modules or single module



Clamp in position for phase 2



Just consider the savings when Multiclamp is planned really wisely. How far apart should Multiclamp be spaced?

ORDERING INFORMATION — SERIES 10

Stacking Nuts

(50 per part number)

Part Number	MC.N.10
Dimensions	
A	11.0mm
B	33.0mm
Thread	M8-1.25

Weight: 0.80 Kg (per set)

Stacking Studs

(50 per part number)

Part Number	MC.S.10
Dimensions	
A	32.0mm
B	21.0mm
C	4.5mm
Thread	M8-1.25

Weight: 0.48 Kg (per set)

Mounting Adaptors

(1 piece per part number)

Part Number	MC.B.10.MO
Dimensions	
A	27.0mm
B	25.0mm
Ø	8.7mm

Weight: 0.020 Kg (per set)

Weld Plates

(10 per part number)

Part Number	MC.WP.10
Dimensions	
A	13.3mm
B	25.0mm
C	10.0mm
D	6.3mm
E	25.0mm
F	8.5mm

Weight: 0.35 Kg (per set)

Standard Bolts

(50 per part number)

Part Number		MC.SB.10	
Series	Thread	Length	
10	M8-1.25	16.0mm	

ORDERING INFORMATION — SERIES 16

Stacking Nuts

(50 per part number)

Part Number	MC.N.16
Dimensions	
A	11.0mm
B	44.0mm
Thread	M8-1.25

Weight: 1.06 Kg (per set)

Stacking Studs

(50 per part number)

Part Number	MC.S.10
Dimensions	
A	32.0mm
B	21.0mm
C	2.0mm
Thread	M8-1.25

Weight: 0.020 Kg (per set)

Mounting Adaptors

(1 single piece per part number)

Part Number	MC.B.16.MO
Dimensions	
A	27.0mm
B	36.0mm
Ø	8.7mm

Weight: 0.060 Kg (per set)

Weld Plates

(10 per part number)

Part Number	MC.WP.10
Dimensions	
A	13.3mm
B	25.0mm
C	10.0mm
D	6.3mm
E	25.0mm
F	8.5mm

Weight: 0.35 Kg (per set)

Standard Bolts

(50 per part number)

Part Number		MC.SB.10	
Series	Thread	Length	
16	M8-1.25	16.0mm	

ORDERING INFORMATION — SERIES 32

Stacking Nuts

(50 per part number)

Part Number	MC.N.32
Dimensions	
A	13.0mm
B	71.5mm
Thread	M10-1.50

Weight: 1.99 Kg (per set)

Stacking Studs

(50 per part number)

Part Number	MC.S.32
Dimensions	
A	38.0mm
B	22.0mm
C	2.0mm
Thread	M10-1.50

Weight: 0.90 Kg (per set)

Mounting Adaptors

(1 single piece per part number)

Part Number	MC.B.32.MO
Dimensions	
A	40.0mm
B	58.0mm
Ø	10.7mm

Weight: 0.260 Kg (per set)

Weld Plates

(10 per part number)

Part Number	MC.WP.32
Dimensions	
A	17.5mm
B	32.0mm
C	12.0mm
D	8.0mm
E	32.0mm
F	11.0mm

Weight: 0.70 Kg (per set)

Standard Bolts

(50 per part number)

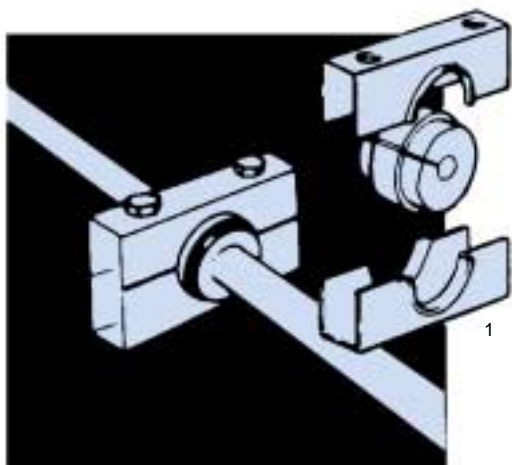
Part Number		MC.SB.32	
Series	Thread	Length	
32	M10-1.50	30.0mm	

Reservoir Equipment

Multiclamp

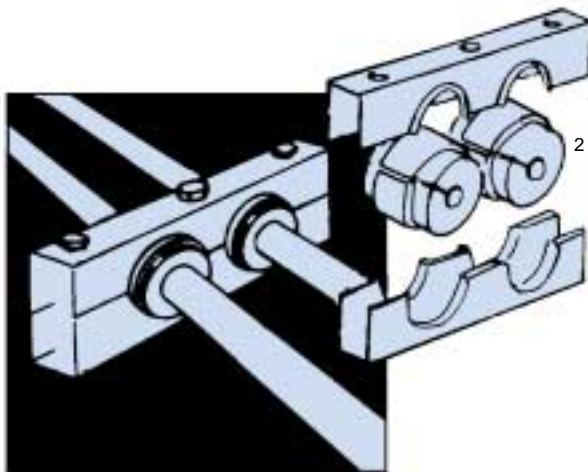
SPECIFICATION

Typical Single Clamp with exploded view



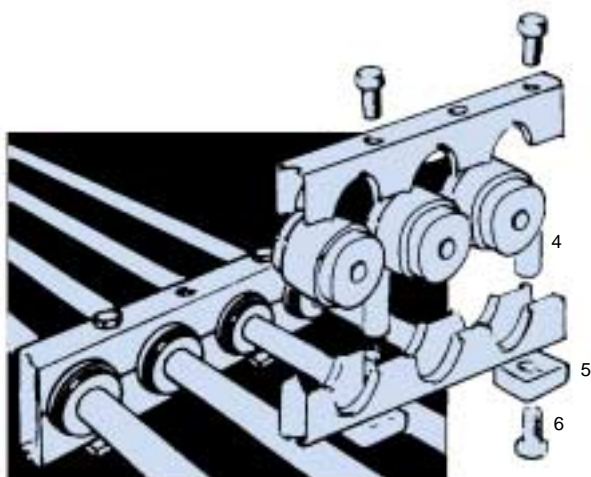
1. Upper and Lower Clamping Unit

Typical Double Clamp with exploded view



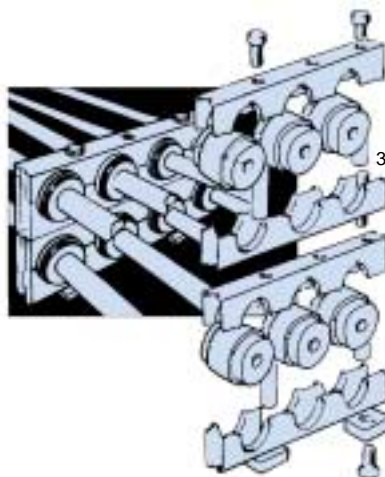
2. Various sizes of Split Bushings

Multiclamp — 16 holes

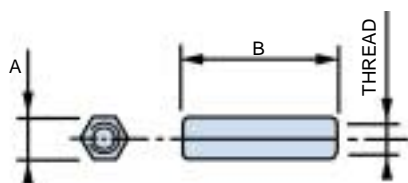


4. Stacking Nut 5. Weld Plate

Split Bushes

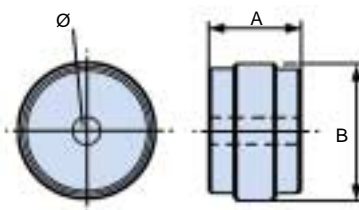


3. Stacking Stud 6. Standard Bolt



Stacking Nuts

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

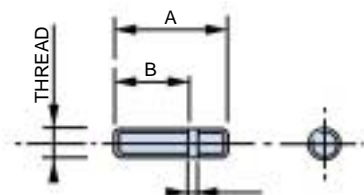


Mounting Adaptors

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

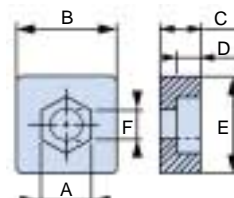
Stacking Studs

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



Weld Plates

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



ORDERING INFORMATION — SERIES 10 (6mm-20mm pipe dia.)

Single Clamp (10 pairs per part number)

Part Number	MC.10.1
Dimensions	
A	25.0mm
B	8.5mm
C	38.1mm
D	55.0mm
E	19.0mm
F	38.0mm
Ø	9.0mm

Weight: 0.60 Kg (per set)

Double Clamp (10 pairs per part number)

Part Number	MC.10.2
Dimensions	
A	25.0mm
B	8.5mm
C	38.1mm
D	93.0mm
E	19.0mm
F	38.0mm
Ø	9.0mm

Weight: 1.0 Kg (per set)

Multiclamp (1 pair per part number)

Part Number	MC.10.16
Dimensions	
A	34.0mm
B	38.1mm
C	25.0mm
D	15.0mm
E	38.1mm
F	601.5mm
G	19.0mm
H	38.0mm
Ø	9.0mm

Weight: 0.80 Kg (per pair)

Split Bushes (10 pairs per part number)

Pipe Size			A	B	
mm	O/D	NB	25.5mm	27.0mm	34.0mm
			Part No.	Weight	Weight
6	1/4	—	MC.G.10.4	.130 Kg	
8	5/16	—	MC.G.10.5	.130 Kg	
10	3/8	—	MC.G.10.6	.120 Kg	
12-14	1/2	1/4	MC.G.10.8	.120 Kg	
15-16	5/8	3/8	MC.G.10.10	.100 Kg	
18-20	3/4	—	MC.G.10.12		.090 Kg

Quoted weights based on a pack of 10

ORDERING INFORMATION — SERIES 16 (6mm-28mm pipe dia.)

Single Clamp (10 pairs per part number)

Part Number	MC.16.1
Dimensions	
A	25.0mm
B	7.0mm
C	50.8mm
D	65.0mm
E	23.8mm
F	47.6mm
Ø	9.0mm

Weight: 0.80 Kg (per set)

Double Clamp (10 pairs per part number)

Part Number	MC.16.2
Dimensions	
A	25.0mm
B	7.0mm
C	50.8mm
D	116.0mm
E	23.8mm
F	47.6mm
Ø	9.0mm

Weight: 1.6 Kg (per set)

Multiclamp – 12 holes (1 pair per part number)

Part Number	MC.16.12
Dimensions	
A	47.0mm
B	50.8mm
C	25.0mm
D	21.0mm
E	50.8mm
F	608.8mm
G	25.0mm
H	51.0mm
Ø	9.0mm

Weight: 1.0 Kg (per set)

Split Bushes (10 per part number)

Pipe Size			A	B	
mm	O/D	NB	35.4mm	27.0mm	34.0mm
			Part No.	Weight	Weight
6	1/4	—	MC.G.16.4	.280 Kg	
8	5/16	—	MC.G.16.5	.280 Kg	
10	3/8	—	MC.G.16.6	.280 Kg	
12-14	1/2	1/4	MC.G.16.8	.260 Kg	
15-16	5/8	3/8	MC.G.16.10	.220 Kg	
18-20	3/4	—	MC.G.16.12	.200 Kg	
22	7/8	1/2	MC.G.16.14	.180 Kg	
25	1	3/4	MC.G.16.16	.140 Kg	
28	—	—	MC.G.16.18		.160 Kg

MC.G.16.14 Dimension 'A' is 38.0mm

ORDERING INFORMATION — SERIES 32 (10mm-50mm pipe dia.)

Single Clamp (10 pairs per part number)

Part Number	MC.32.1
Dimensions	
A	40.0mm
B	9.4mm
C	76.2mm
D	95.0mm
E	38.0mm
F	76.2mm
Ø	11.1mm

Weight: 2.25 Kg (per set)

Double Clamp (10 pairs per part number)

Part Number	MC.32.2
Dimensions	
A	41.0mm
B	9.4mm
C	76.2mm
D	171.0mm
E	38.0mm
F	76.2mm
Ø	11.1mm

Weight: 3.82 Kg (per set)

Multiclamp – 16 holes (1 pair per part number)

Part Number	MC.32.16
Dimensions	
A	72.0mm
B	76.2mm
C	40.0mm
D	34.0mm
E	76.2mm
F	1211.0mm
G	38.5mm
H	77.0mm
Ø	11.0mm

Weight: 3.8 Kg (per pair)

Split Bushes (10 per part number)

Pipe Size			A	B
mm	O/D	NB	59.0mm	44.5mm
			Part No.	Weight
10	3/8	—	MC.G.32.6	1.30 Kg
12-14	1/2	1/4	MC.G.32.8	1.20 Kg
15-16	5/8	3/8	MC.G.32.10	1.10 Kg
18-20	3/4	—	MC.G.32.12	1.10 Kg
22	7/8	1/2	MC.G.32.14	1.00 Kg
25	1	3/4	MC.G.32.16	1.00 Kg
28-30	—	3/4	MC.G.32.18	1.00 Kg
32-34	1 1/4	1	MC.G.32.20	0.80 Kg
35-38	1 1/2	—	MC.G.32.24	0.80 Kg
42	—	1 1/4	MC.G.32.26	0.60 Kg
50	2	1 1/2	MC.G.32.32	0.40 Kg

Reservoir Equipment

Speed Control and Needle Valves



SPECIFICATION

Construction:

Brass 58 – UNI 5705 (G³/₄ model-steel) Nickel plated.

Max. working pressure:

210 bar.

Operating temp. range:

-20°C to +100°C.

Fluid compatibility:

Petroleum-based oils.

Sizes:

G¹/₄, G³/₈, G¹/₂ and G³/₄.

Speed control valve/check valve crack pressure:

0.5 bar.

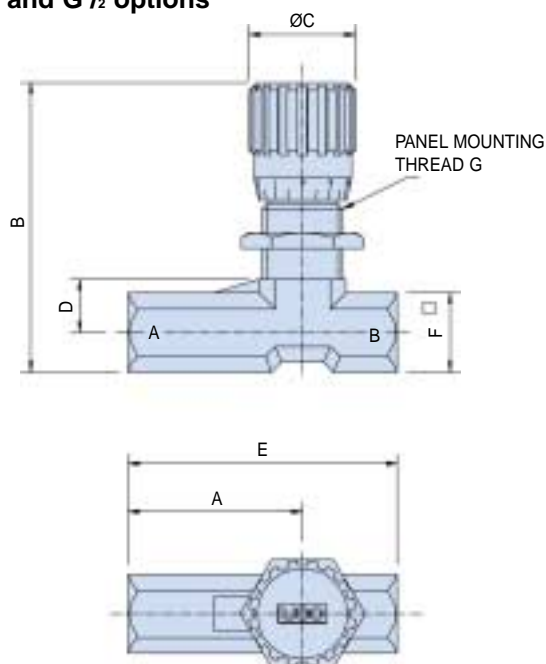
Panel mounting:

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

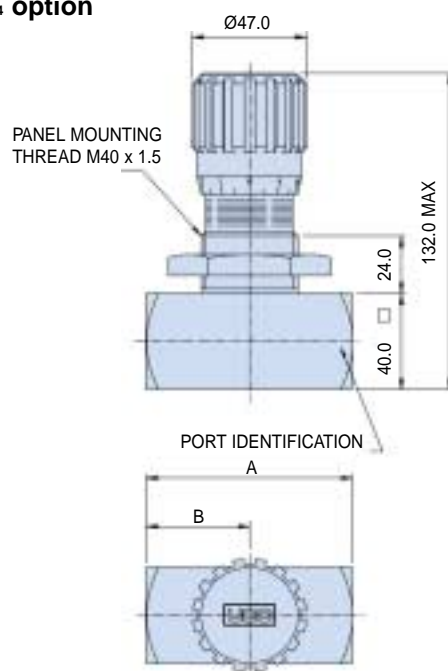
Filtration recommendation:

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

G¹/₄, G³/₈ and G¹/₂ options



G³/₄ option



ORDERING INFORMATION

Speed Control Valves – white caps

Part Number	Description	A mm	B mm	C mm	D mm	E mm	F mm	Size	G Panel mtg thread	Weight Kg
SCV.1700	G ¹ / ₄ , 210 bar speed control	36	60	22	11	55.5	16.5		M17 x 1	0.13
SCV.1701	G ³ / ₈ , 210 bar speed control	41.5	72.5	27	15	64.5	21.5		M20 x 1	0.24
SCV.1702	G ¹ / ₂ , 210 bar speed control	57	85	33	19	87	27		M25 x 1.5	0.45
SCV.1703	G ³ / ₄ , 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 mm	Size	G Panel mtg thread	Weight Kg
2000	G ¹ / ₄ , 210 bar needle valve	36	60	22	11	55.5	16.5		M17 x 1	0.13
2001	G ³ / ₈ , 210 bar needle valve	41.5	72.5	27	15	64.5	21.5		M20 x 1	0.24
2002	G ¹ / ₂ , 210 bar needle valve	57	85	33	19	87	27		M25 x 1.5	0.45
2003	G ³ / ₄ , 210 bar needle valve	115	73	–	–	–	–		M40 x 1.5	1.6

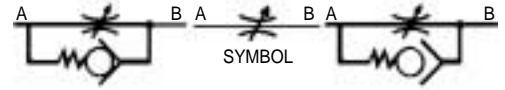
TECHNICAL DATA

PRESSURE DROP (ΔP) FLOW CHARACTERISTICS WITH MINERAL OIL AT 30 cSt VISCOSITY

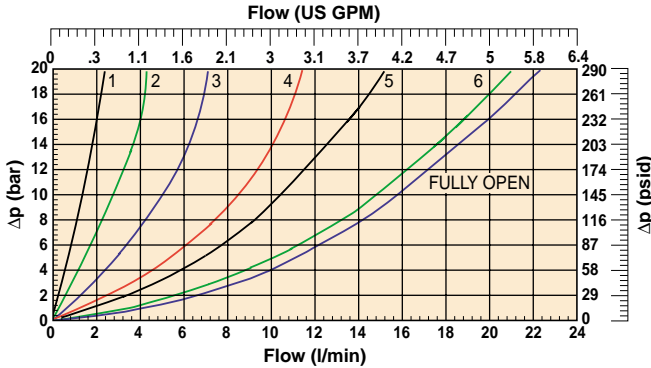
Graphs for needle/shut-off valves and speed control valves with flow A-B (controlled flow through needle).

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

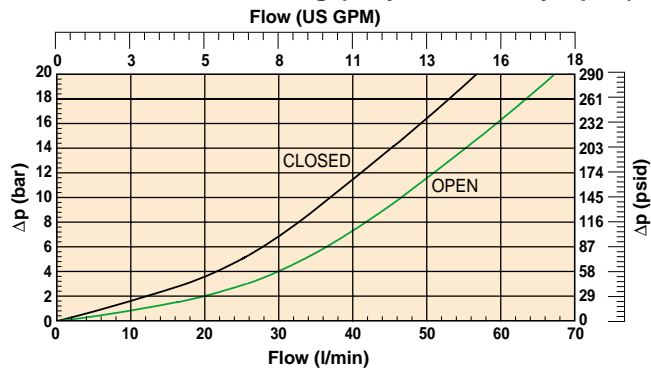
Graphs for speed control valves. Flow B-A (flow through check valve), with needle valve portion in fully open and fully closed positions.



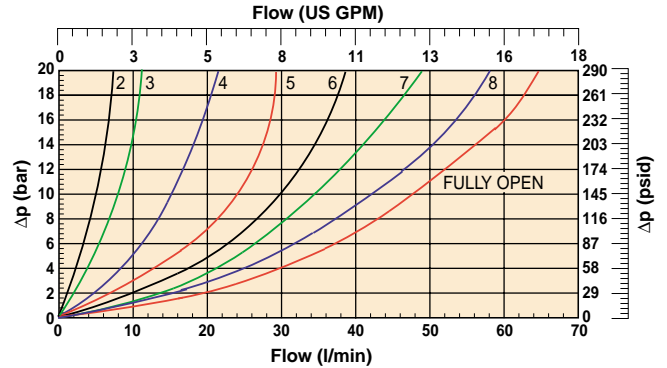
2000/SCV.1700 – Flow setting in no. of turns



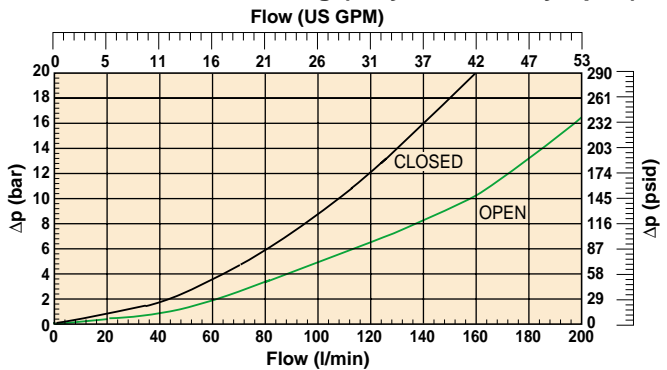
SCV.1700 – Flow setting (fully closed/fully open)



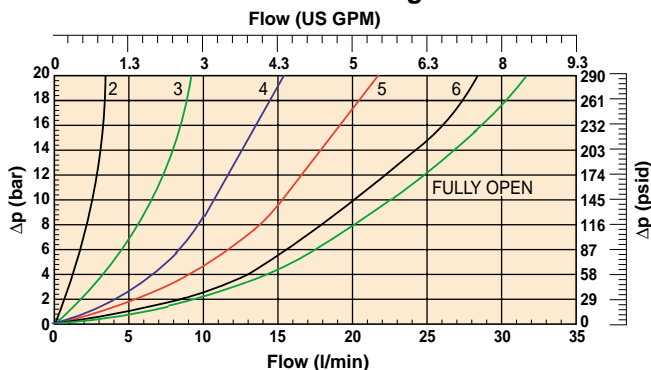
2002/SCV.1702 – Flow setting in no. of turns



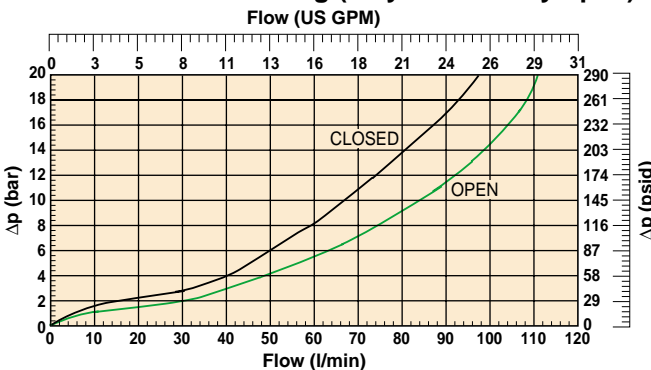
SCV.1702 – Flow setting (fully closed/fully open)



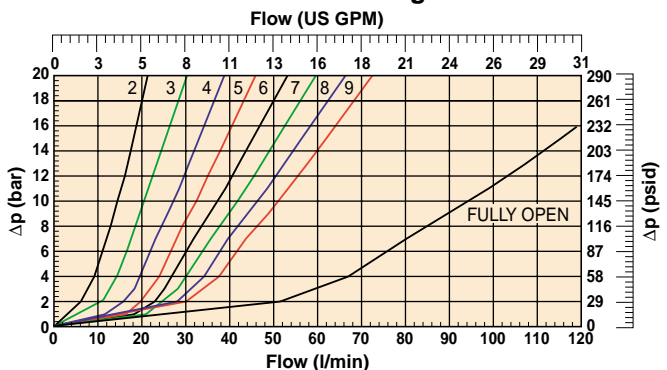
2001/SCV.1701 – Flow setting in no. of turns



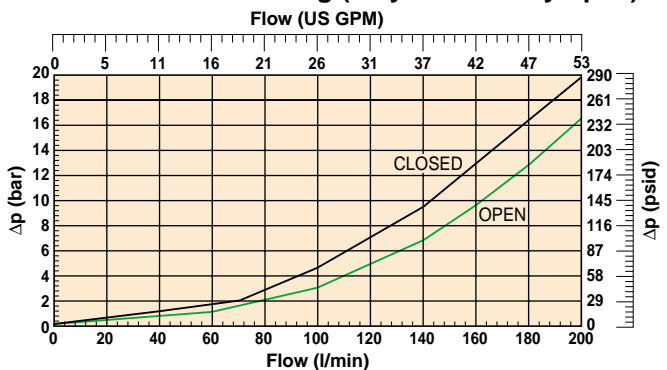
SCV.1701 – Flow setting (fully closed/fully open)



2003/SCV.1703 – Flow setting in no. of turns



SCV.1703 – Flow setting (fully closed/fully open)



Reservoir Equipment

Inline Check Valves



SPECIFICATION

Construction:

Steel UNI 5105.

Ball and spring:

Chrome finished steel.

Retainer:

Nylon.

Flow rates:

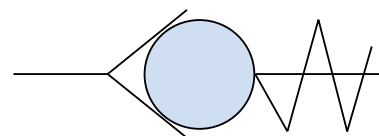
From 20 l/min to 150 l/min.

Max. working pressure:

350 bar.

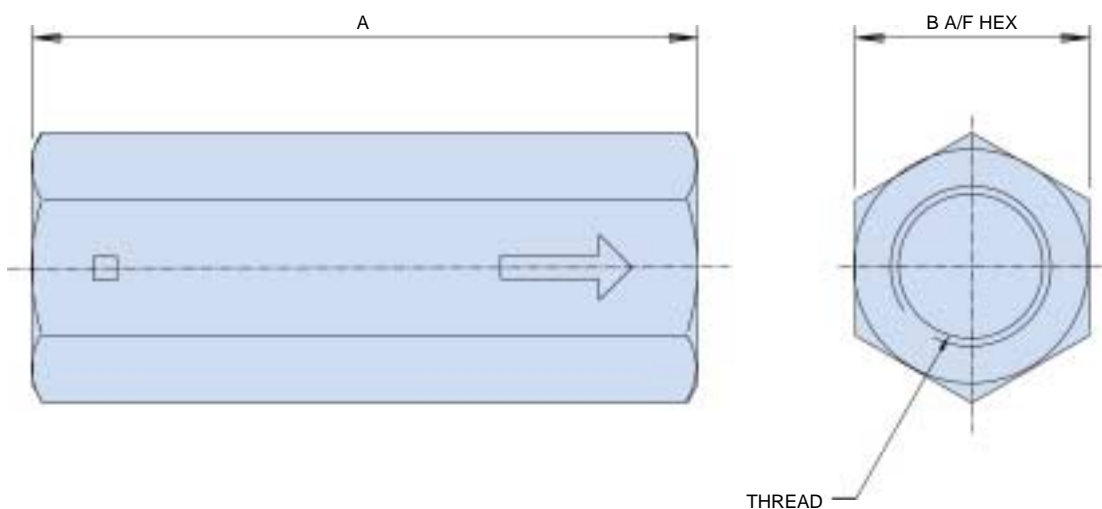
Valve crack pressures:

0.35 and 4.5 bar.



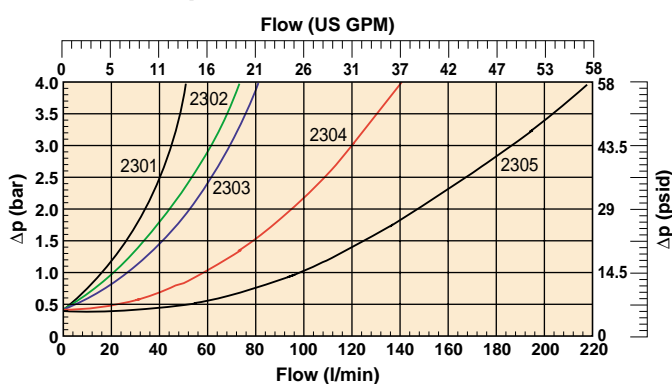
CIRCUIT SYMBOL

INSTALLATION DETAILS



TECHNICAL DATA

Pressure Drop Flow Curves



ORDERING INFORMATION

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



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.

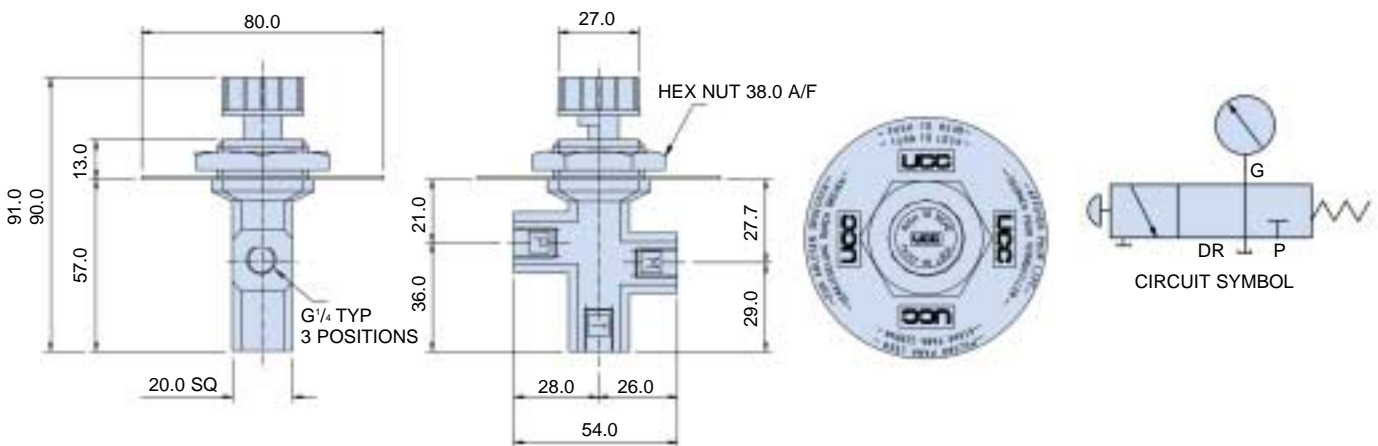
Port size:

Single Station: G $\frac{1}{4}$.

Weight:

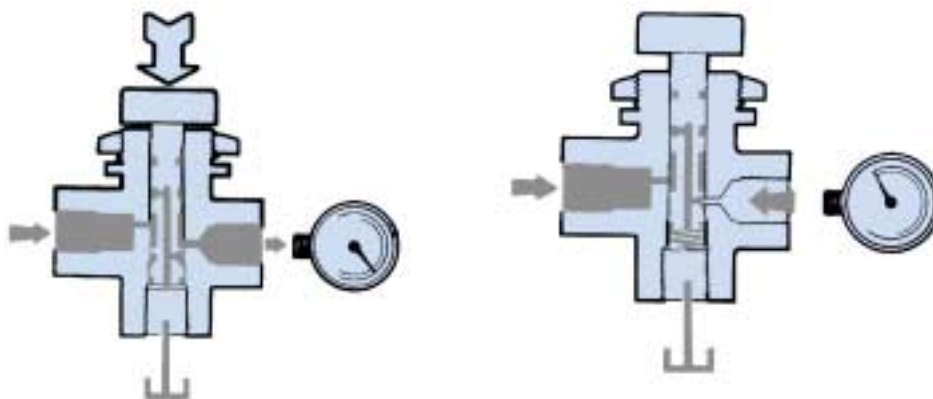
Single Station: 0.90 Kg.

SINGLE STATION INSTALLATION DETAILS



OPERATION DETAILS

Single Station



ORDERING INFORMATION

Part Number	Description	Weight
GI.1486	Single station gauge isolator "Twist to lock" type	0.90 Kg
GI.1414	Single station gauge isolator "Push to read" type	0.90 Kg

Reservoir Equipment

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.

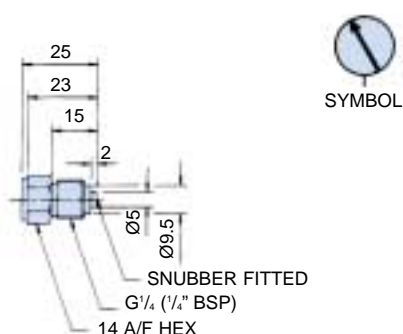
Wetted parts connector:

Copper alloy.

Bourdon tube:

< 60 bar = Cu alloy, C-type, soft soldered.
> 60 bar = Cu alloy, helical type, soft soldered.

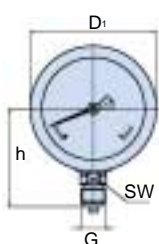
Mounting Stem Detail



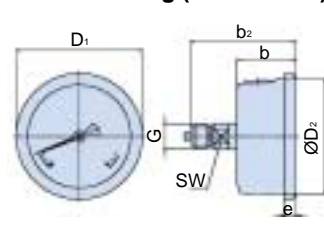
Note: It is recommended that all glycerine gauges should be mounted in the vertical position with gauge case relief valve uppermost. Pressure range up to 1000 bar available.

INSTALLATION DETAILS

Bottom connection



Panel Mounting (Centre Back)



Dimensions (mm)

a	b	D ₁	D ₂	e	G	h	SW	Weight Kg
13	±0.5	68	62	6.5	G ¹ / ₄	54	14	0.21

Bottom Connection

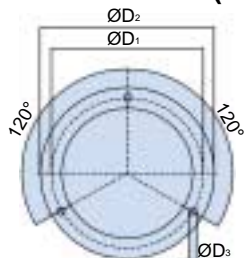
Dimensions (mm) Panel Mounting (Centre Back)

b	b ₂	D ₁	D ₂	e	G	SW	Weight Kg
±0.5	±1	68	62	6.5	G 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)

D ₁	D ₂	D ₃
75	85	3.6

ORDERING INFORMATION

Bottom connection

Part Number	Description	Supersedes
PGB.0631.004	0-4 bar	—
PGB.0631.010	0-10 bar	PG.4511109
PGB.0631.016	0-16 bar	PG.4511110
PGB.0631.025	0-25 bar	PG.4511112
PGB.0631.040	0-40 bar	PG.4511114
PGB.0631.060	0-60 bar	PG.4511115
PGB.0631.100	0-100 bar	PG.4511117
PGB.0631.160	0-160 bar	PG.4511118
PGB.0631.250	0-250 bar	PG.4511120
PGB.0631.400	0-400 bar	PG.4511122
PGB.0631.600	0-600 bar	PG.4511123

Panel Mounting

Part Number	Description	Supersedes
PGC.0631.010	0-10 bar	PG.4531109
PGC.0631.016	0-16 bar	PG.4531110
PGC.0631.025	0-25 bar	PG.4531112
PGC.0631.040	0-40 bar	PG.4531114
PGC.0631.060	0-60 bar	PG.4531115
PGC.0631.100	0-100 bar	PG.4531117
PGC.0631.160	0-160 bar	PG.4531118
PGC.0631.250	0-250 bar	PG.4531120
PGC.0631.400	0-400 bar	PG.4531122
PGC.0631.600	0-600 bar	PG.4531123

Panel Mounted (3-hole flange)

Part Number	Description	Supersedes	Weight Kg
PGF.0631.010	0-10 bar	PG.4561109	0.26
PGF.0631.016	0-16 bar	PG.4561110	0.26
PGF.0631.025	0-25 bar	PG.4561112	0.26
PGF.0631.040	0-40 bar	PG.4561114	0.26
PGF.0631.060	0-60 bar	PG.4561115	0.26
PGF.0631.100	0-100 bar	PG.4561117	0.26
PGF.0631.160	0-160 bar	PG.4561118	0.26
PGF.0631.250	0-250 bar	PG.4561120	0.26
PGF.0631.400	0-400 bar	PG.4561122	0.26
PGF.0631.600	0-600 bar	PG.4561123	0.26

*Note: Any subsequent changes to gauge accuracy will be notified.



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.

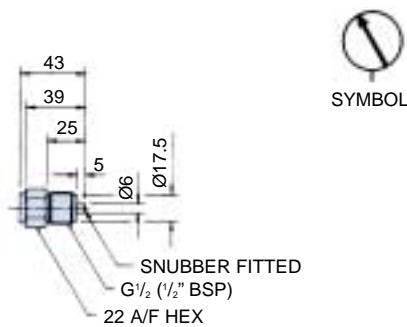
Wetted parts connector:

Copper alloy.

Bourdon tube:

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

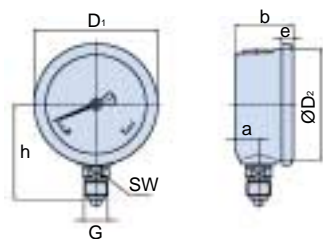
Mounting Stem Detail



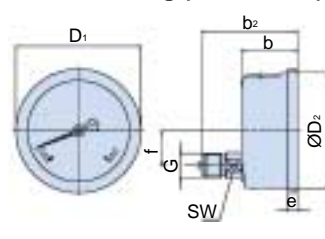
Note: It is recommended that all glycerine gauges should be mounted in the vertical position with gauge case relief valve uppermost.

INSTALLATION DETAILS

Bottom connection



Panel Mounting (Lower Back)



Dimensions (mm)

a	b	D ₁	D ₂	e	G	h	SW	Weight Kg
15.5	±0.5 48	107	100	8	G _{1/2}	87	22	0.80

Bottom Connection

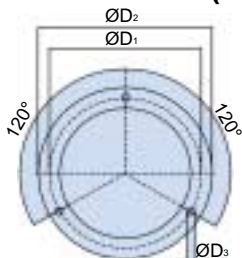
Dimensions (mm) Panel Mounting (Lower Back)

b	b ₂	D ₁	D ₂	e	G	SW	Weight Kg
±0.5 48	±1 81.5	107	100	8	G _{1/2}	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 ₁	D ₂	D ₃
116	132	4.8

ORDERING INFORMATION

Bottom connection

Part Number	Description	Supersedes
PGB.1001.010	0-10 bar	PG.4811109
PGB.1001.016	0-16 bar	PG.4811110
PGB.1001.025	0-25 bar	PG.4811112
PGB.1001.040	0-40 bar	PG.4811114
PGB.1001.060	0-60 bar	PG.4811115
PGB.1001.100	0-100 bar	PG.4811117
PGB.1001.160	0-160 bar	PG.4811118
PGB.1001.250	0-250 bar	PG.4811120
PGB.1001.400	0-400 bar	PG.4811122
PGB.1001.600	0-600 bar	PG.4811123
PGB.1001.1000	0-1000 bar	PG.4811125

Panel Mounting

Part Number	Description	Supersedes
PGE.1001.010	0-10 bar	PG.4831109
PGE.1001.016	0-16 bar	PG.4831110
PGE.1001.025	0-25 bar	PG.4831112
PGE.1001.040	0-40 bar	PG.4831114
PGE.1001.060	0-60 bar	PG.4831115
PGE.1001.100	0-100 bar	PG.4831117
PGE.1001.160	0-160 bar	PG.4831118
PGE.1001.250	0-250 bar	PG.4831120
PGE.1001.400	0-400 bar	PG.4831122
PGE.1001.600	0-600 bar	PG.4831123
PGE.1001.1000	0-1000 bar	PG.4831125

Panel Mounted (3-hole flange)

Part Number	Description	Supersedes	Weight Kg
PGF.1001.010	0-10 bar	PG.4861109	1.0
PGF.1001.016	0-16 bar	PG.4861110	1.0
PGF.1001.025	0-25 bar	PG.4861112	1.0
PGF.1001.040	0-40 bar	PG.4861114	1.0
PGF.1001.060	0-60 bar	PG.4861115	1.0
PGF.1001.100	0-100 bar	PG.4861117	1.0
PGF.1001.160	0-160 bar	PG.4861118	1.0
PGF.1001.250	0-250 bar	PG.4861120	1.0
PGF.1001.400	0-400 bar	PG.4861122	1.0
PGF.1001.600	0-600 bar	PG.4861123	1.0
PGF.1001.1000	0-1000 bar	PG.4861125	1.0

*Note: Any subsequent changes to gauge accuracy will be notified.

Reservoir Equipment

'O' Ring Kits



SPECIFICATION

Material:

Nitrile rubber, 70 I.H.R.D.

Temp. range:

-40°C to +120°C.

Compatibility:

Mineral based oils and greases. All sizes suitable for dynamic and static applications.

Weight:

Complete kit 0.7 Kg.

All sizes conform to BS 1806, ISO 1067, ISO 1068 and SAE AS 568. Individual sizes of 'O' Ring available in 100's.

TECHNICAL DATA

Metric Section

2.0mm

2.5mm

3.0mm

3.5mm

Imperial Section

1.78mm

2.62mm

3.53mm

5.34mm

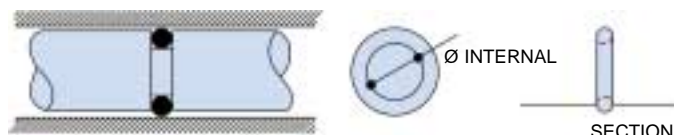
The above measurements refer to section mm given in Ordering Information.

INSTALLATION DETAILS

Note: Content explanation (see below)

18 x
3 x 2

= Quantity x
Internal Ø x Section Ø



ORDERING INFORMATION

Contents of Metric 'O' Ring Kit 2902

18 x 3 x 2	18 x 4 x 2	18 x 5 x 2	18 x 6 x 2	17 x 7 x 2	17 x 8 x 2
14 x 14 x 2.5	14 x 12 x 2.5	14 x 11 x 2.5	14 x 10 x 2.5	17 x 10 x 2	
14 x 16 x 2.5	14 x 17 x 2.5	14 x 19 x 2.5	12 x 19 x 3		
12 x 38 x 3	9 x 38 x 4	9 x 42 x 4	9 x 45 x 4		
12 x 36 x 3	12 x 35 x 3	12 x 33 x 3	12 x 32 x 3	12 x 30 x 3	
12 x 20 x 3	12 x 22 x 3	12 x 24 x 3	12 x 25 x 3	12 x 27 x 3	12 x 28 x 3

Contents of Imperial 'O' Ring Kit 2901

20 x 2.9 x 1.78 ARP/BS 006	20 x 3.68 x 1.78 ARP/BS 007	20 x 4.48 x 1.78 ARP/BS 008	20 x 5.28 x 1.78 ARP/BS 009	20 x 6.07 x 1.78 ARP/BS 010	20 x 7.66 x 1.78 ARP/BS 011
13 x 13.95 x 2.62 ARP/BS 113	13 x 12.31 x 2.62 ARP/BS 112	13 x 10.78 x 2.62 ARP/BS 111	13 x 9.19 x 2.62 ARP/BS 110	20 x 9.25 x 1.78 ARP/BS 012	
13 x 15.54 x 2.62 ARP/BS 114	13 x 17.13 x 2.62 ARP/BS 115	13 x 18.72 x 2.62 ARP/BS 116	10 x 18.64 x 3.53 ARP/BS 210		
10 x 37.69 x 3.53 ARP/BS 222	7 x 37.47 x 5.33 ARP/BS 325	7 x 40.65 x 5.33 ARP/BS 326	7 x 43.82 x 5.33 ARP/BS 327		
10 x 36.10 x 3.53 ARP/BS 221	10 x 34.52 x 3.53 ARP/BS 220	10 x 32.92 x 3.53 ARP/BS 219	10 x 31.34 x 3.53 ARP/BS 218	10 x 29.75 x 3.53 ARP/BS 217	
10 x 20.22 x 3.53 ARP/BS 211	10 x 21.82 x 3.53 ARP/BS 212	10 x 23.40 x 3.53 ARP/BS 213	10 x 24.99 x 3.53 ARP/BS 214	10 x 26.58 x 3.53 ARP/BS 215	10 x 28.17 x 3.53 ARP/BS 216