



IN-LINE, FCL, FPL and FIL FILTERS

These are large in-line filters, capable of retaining impurities and very fine dust, which negligibly affect the flow rate.

They consist of a cylindrical body made of transparent Plexiglass, closed by two anodised aluminium flanges held in place by Seeger rings, in which the female threaded connections and sealing gaskets are housed; the filter cartridge is enclosed inside.

The filter cartridges shown and described on this page, installed in their own container, are made from various materials, which can be identified with the following abbreviations:

- **SP Series.** Pleated paper filtering cartridge with compression sealing;
- **SS Series.** Pleated polypropylene mesh filtering cartridge with compression sealing;
- **SA Series.** AISI 304 stainless steel mesh filtering cartridge with compression sealing;
- **RP Series.** Pleated paper quick coupling filtering cartridge with double O-ring;
- **RS Series.** Pleated polypropylene mesh quick coupling filtering cartridge with double O-ring;
- **RA Series.** AISI 304 stainless steel mesh quick coupling filtering cartridge with double O-ring.

Given the paper filter element, it is not recommended to use these filters (FCL) in the presence of water and oil vapours or condensation.

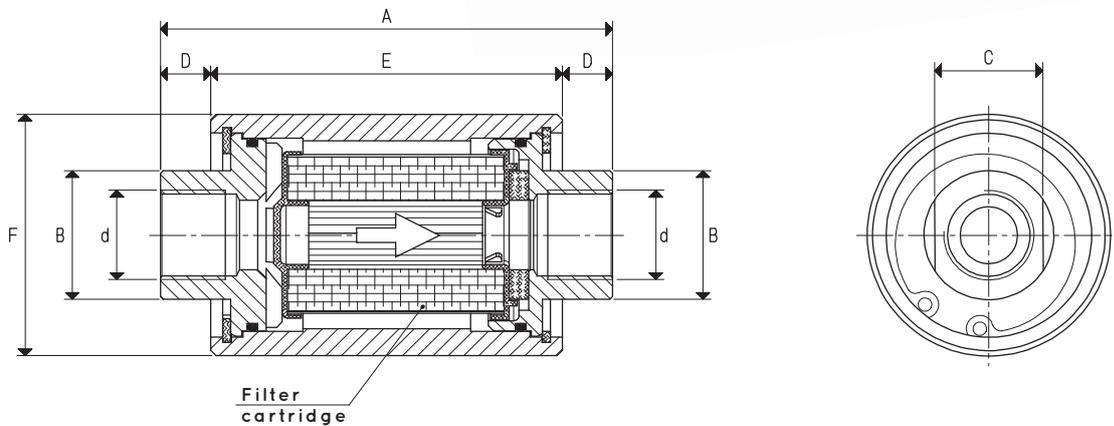
The filters can be inspected by simply removing one of the two flanges.

Technical features

Operating pressure:

from 0.5 to 3000 absolute mbar

Fluid temperature: from -20 to +60°C



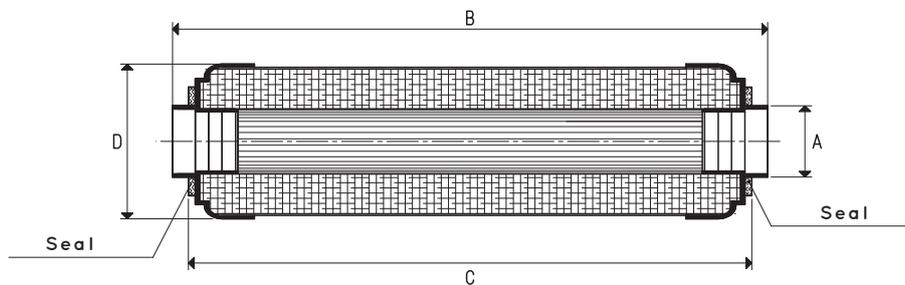
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Item	d Ø	A	B Ø	C	D	E	F Ø	Flow rate max m ³ /h	Cartridge spare part item	Weight g
FPL 4	G3/4"	207	50	44	17	173	80	40	SS/5M	1135
FCL 4	G3/4"	207	50	44	17	173	80	40	SP/5M	1130
FIL 4	G3/4"	207	50	44	17	173	80	40	SA/5M	1160
FPL 5	G1"	207	50	60	17	173	80	70	SS/5M	1125
FCL 5	G1"	207	50	60	17	173	80	70	SP/5M	1120
FIL 5	G1"	207	50	60	17	173	80	70	SA/5M	1150
FPL 6	G1" 1/2	207	70	60	17	173	110	200	RS/5	1300
FCL 6	G1" 1/2	207	70	60	17	173	110	200	RP/5	1290
FIL 6	G1" 1/2	207	70	60	17	173	110	200	RA/5	1350
FPL 7	G2"	332	78	70	17	298	110	300	RS/10/57	1445
FCL 7	G2"	332	78	70	17	298	110	300	RP/10/57	1430
FIL 7	G2"	332	78	70	17	298	110	300	RA/10/57	1500

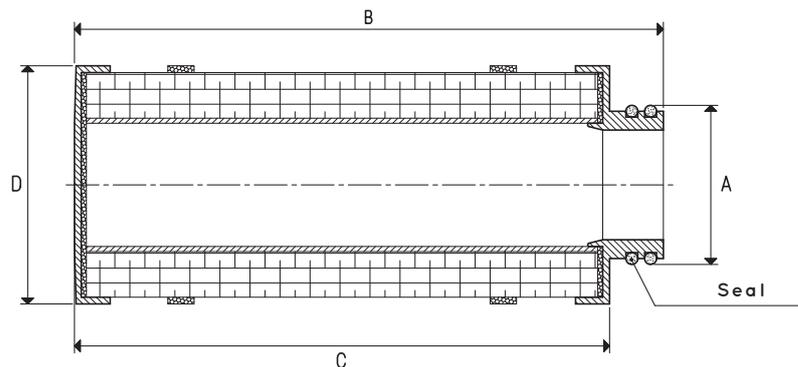
Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Adapters for GAS - NPT threading available on page 1.134



Item	A Ø	B	C	D Ø	Cartridge length	For container item	Level of filtration micron
SP/5M	20	131	122	50	5"	FCL 4 - FCL 5	25
SS/5M	20	131	122	50	5"	FPL 4 - FPL 5	50
SA/5M	20	131	122	50	5"	FIL 4 - FIL 5	50



Item	A Ø	B	C	D Ø	Cartridge length	For container item	Level of filtration micron
RP/5	45	130	115	70	5"	FCL 6	25
RS/5	45	130	115	70	5"	FPL 6	50
RA/5	45	130	115	70	5"	FIL 6	50
RP/10/57	45	250	235	70	10"	FCL 7	25
RS/10/57	45	250	235	70	10"	FPL 7	50
RA/10/57	45	250	235	70	10"	FIL 7	50

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

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