To allow the pneumatic suction and blowing pumps to work even in very dusty environments, it is necessary to use these filters that, installed on the suction inlet connection, can keep the finest dust and impurities and affecting the flow rate in a negligible manner.

The filtering cartridges, in fact, are made with a special treated paper with a porosity level of 5 - 7 micron, and pleated to increase the filtering surface.

FCL filters are composed of a transparent Plexiglass cylindrical body inside of which is located the filtering cartridge locked by two anodised aluminium flanges that are kept in place by Seeger rings, inside of which the threaded connectors and the seals are housed. The filters can be inspected by simply removing one of the two flanges.

The container of the filtering element FP is made with plastic and it is screwed onto the blue plastic lid; a gasket located between the two elements ensures a perfect seal.

The container of the filtering element FC, as well as its lid, are made with sheet steel and varnished with a special oxidation-resistant treatment. A seal between the lid and the container ensures a perfect vacuum seal, while the release clamps on the container allow a quick opening of the lid to check or replace the filtering cartridge.
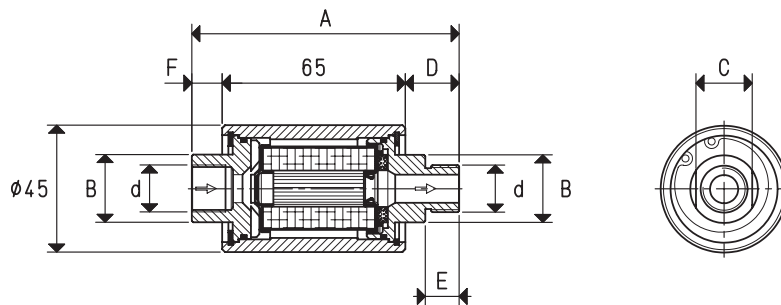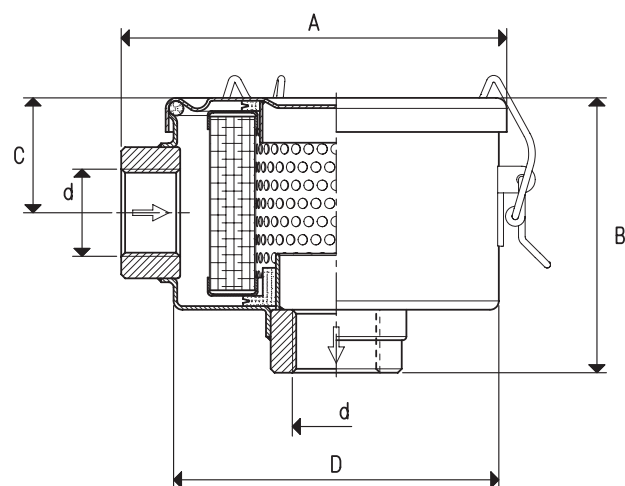
Item	d Ø	A	B Ø	C	D	E	F	Max capac. m³/h	For pumps item	Weight Kg	Spare cartridge item
FCL 1 MF	G1/4"	91.2	20	17	19.1	12	7.1	5	PA - PS 3	0.12	00 FCL 03
FCL 2 MF	G3/8"	93.4	24	20	19.1	12	9.3	20	PA - PS 7 - 14 - 18	0.14	00 FCL 03

Item FP 30 / 4 / SP
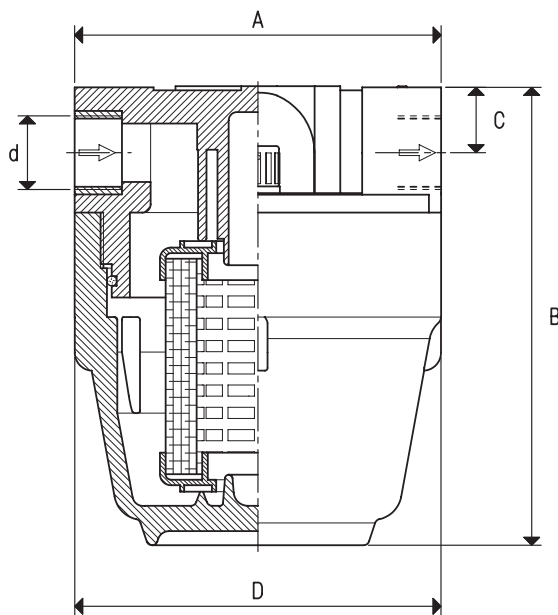
Item FC 38
Item FC 55

Item	d Ø	A	B	C	D Ø	Max capac. m³/h	For pumps item	Weight Kg	Spare cartridge item
FP 30/4/SP	G1"	145	169	24	130	100	PA - PS 40 ÷ 100	1.00	SP/4
FC 38	G1" 1/2	143	101	45	120	200	PA - PS 140 ÷ 200	0.95	00 FC 15
FC 55	G2"	143	170	79	120	300	PA - PS 250 ÷ 300	1.29	00 FC 33

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$