



Air filters

FIMA offers a complete range of high efficient compressed air filters, granting maximum contaminants removal, energy savings, increased reliability for the whole compressed air system and easy maintenance.

C - S - M - O - AC filters type are equipped with manual condensate drain FCD 01 and differential gauge FDG 02. The CS filter type is equipped with automatic condensate drain FCD 02.



Ceramic filter cartridge



Separator filter cartridge



Micro filter cartridge



Oil filter cartridge





Activated carbon filter cartridge



Cyclonic separator filter cartridge



Sterile filter cartridge

FILTER TYPE	 Filtered particles and filtration grade	 Suggested installation
C CERAMIC	Solid particles → Down to 3 micron	Pre-filter
S SEPARATOR	Solid particles → Down to 1 micron	Installed after the ceramic (C) filter and as inlet filter of refrigerated dryers or as outlet filter of adsorption dryers
M MICRO	Solid particles → Down to 0,1 micron Oil particles → Max contents of residual 0,1 mg/m3	Installed after the separator (S) filter or as outlet filter of refrigerated dryers
O OIL	Solid particles → Down to 0,01 micron Oil particles → Max contents of residual 0,01 mg/m3	Installed after the micro (M) filter or as inlet filter of adsorption dryers
AC ACTIVATED CARBON	Oil vapors → Max contents of residual 0,003 mg/m3	Installed after the oil (O) filter
CS CYCLONIC SEPARATOR	Water → Max contents of residual < 5 g/m3	Installed as inlet filter of air tanks
F STERILE	Microorganisms → Down to 0,01 micron	Installed as downstream filter



FC 033



FS 010

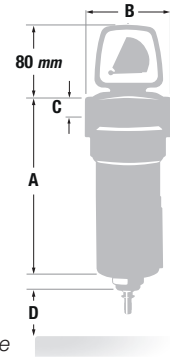


Diagram for C - S - M - O - AC type

C

Ceramic filters 3 micron

Filter type C

Model FILTER	Model cartridge C (3 µm) Type	Flow rate*			Connections Ø (IN-OUT) Inch	Dimensions				Weight Kg
		L/min	CFM	M3/h		A (mm)	B (mm)	C (mm)	D (mm)	
FC 002	C 002	167	5,9	10	G1/8	105	55	14	50	0,2
FC 003	C 003	300	10,6	18	G1/4	125	55	14	70	0,2
FC 004	C 004	417	14,7	25	G1/4	145	73	18	50	0,4
FC 005	C 005	500	17,7	30	G3/8	145	73	18	50	0,4
FC 006	C 006	583	20,6	35	G1/4	189	88	21	60	0,7
FC 010	C 010	1000	35,3	60	G3/8	189	88	21	60	0,6
FC 013	C 013	1300	45,9	78	G1/2	189	88	21	60	0,6
FC 020	C 020	2000	70,6	120	G3/4	257	88	21	150	0,7
FC 033	C 033	3300	116,5	198	G1	261	125	37	160	1,2
FC 055	C 055	5500	194,2	335	G1	361	125	37	250	1,6
FC 085	C 085	8500	300,2	510	G1.1/2	461	125	37	350	1,9
FC 130	C 130	13000	459,1	780	G1.1/2	641	125	37	530	2,6
FC 167	C 167	16666	588,6	1000	G2	696	164	50	520	5,7
FC 250	C 250	25000	882,9	1500	G2	943	164	50	770	7,6
FC 280	C 280	28000	988,8	1680	G2.1/2	943	164	50	770	7,3
FC 360	C 360	36000	1271,3	2160	G3	801	242	60	630	16,7
FC 460	C 460	46000	1624,5	2760	G3	998	242	60	780	21,3

*At 7 Barg (P)

Dimensions: A - B - C - D letters of reference in the diagram above

S

Separator filters 1 micron

Filter type S

Model FILTER	Model cartridge S (1 µm) Type	Flow rate*			Connections Ø (IN-OUT) Inch	Dimensions				Weight Kg
		L/min	CFM	M3/h		A (mm)	B (mm)	C (mm)	D (mm)	
FS 002	S 002	167	5,9	10	G1/8	105	55	14	50	0,2
FS 003	S 003	300	10,6	18	G1/4	125	55	14	70	0,2
FS 004	S 004	417	14,7	25	G1/4	145	73	18	50	0,4
FS 005	S 005	500	17,7	30	G3/8	145	73	18	50	0,4
FS 006	S 006	583	20,6	35	G1/4	189	88	21	60	0,7
FS 010	S 010	1000	35,3	60	G3/8	189	88	21	60	0,6
FS 013	S 013	1300	45,9	78	G1/2	189	88	21	60	0,6
FS 020	S 020	2000	70,6	120	G3/4	257	88	21	150	0,7
FS 033	S 033	3300	116,5	198	G1	261	125	37	160	1,2
FS 055	S 055	5500	194,2	335	G1	361	125	37	250	1,6
FS 085	S 085	8500	300,2	510	G1.1/2	461	125	37	350	1,9
FS 130	S 130	13000	459,1	780	G1.1/2	641	125	37	530	2,6
FS 167	S 167	16666	588,6	1000	G2	696	164	50	520	5,7
FS 250	S 250	25000	882,9	1500	G2	943	164	50	770	7,6
FS 280	S 280	28000	988,8	1680	G2.1/2	943	164	50	770	7,3
FS 360	S 360	36000	1271,3	2160	G3	801	242	60	630	16,7
FS 460	S 460	46000	1624,5	2760	G3	998	242	60	780	21,3

*At 7 Barg (P)

Dimensions: A - B - C - D letters of reference in the diagram above

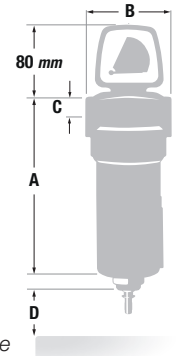


Diagram for C - S - M - O - AC type

M Micro filters 0,1 micron

Filter type M

Model FILTER	Model cartridge M (0,1 µm) Type	Flow rate*			Connections Ø (IN-OUT) Inch	Dimensions				Weight Kg
		L/min	CFM	M3/h		A (mm)	B (mm)	C (mm)	D (mm)	
FM 002	M 002	167	5,9	10	G1/8	105	55	14	50	0,2
FM 003	M 003	300	10,6	18	G1/4	125	55	14	70	0,2
FM 004	M 004	417	14,7	25	G1/4	145	73	18	50	0,4
FM 005	M 005	500	17,7	30	G3/8	145	73	18	50	0,4
FM 006	M 006	583	20,6	35	G1/4	189	88	21	60	0,7
FM 010	M 010	1000	35,3	60	G3/8	189	88	21	60	0,6
FM 013	M 013	1300	45,9	78	G1/2	189	88	21	60	0,6
FM 020	M 020	2000	70,6	120	G3/4	257	88	21	150	0,7
FM 033	M 033	3300	116,5	198	G1	261	125	37	160	1,2
FM 055	M 055	5500	194,2	335	G1	361	125	37	250	1,6
FM 085	M 085	8500	300,2	510	G1.1/2	461	125	37	350	1,9
FM 130	M 130	13000	459,1	780	G1.1/2	641	125	37	530	2,6
FM 167	M 167	16666	588,6	1000	G2	696	164	50	520	5,7
FM 250	M 250	25000	882,9	1500	G2	943	164	50	770	7,6
FM 280	M 280	28000	988,8	1680	G2.1/2	943	164	50	770	7,3
FM 360	M 360	36000	1271,3	2160	G3	801	242	60	630	16,7
FM 460	M 460	46000	1624,5	2760	G3	998	242	60	780	21,3

*At 7 Barg (P)

Dimensions: A - B - C - D letters of reference in the diagram above

O Oil filters 0,01 micron

Filter type O

Model FILTER	Model cartridge O (0,01 µm) Type	Flow rate*			Connections Ø (IN-OUT) Inch	Dimensions				Weight Kg
		L/min	CFM	M3/h		A (mm)	B (mm)	C (mm)	D (mm)	
FO 002	O 002	167	5,9	10	G1/8	105	55	14	50	0,2
FO 003	O 003	300	10,6	18	G1/4	125	55	14	70	0,2
FO 004	O 004	417	14,7	25	G1/4	145	73	18	50	0,4
FO 005	O 005	500	17,7	30	G3/8	145	73	18	50	0,4
FO 006	O 006	583	20,6	35	G1/4	189	88	21	60	0,7
FO 010	O 010	1000	35,3	60	G3/8	189	88	21	60	0,6
FO 013	O 013	1300	45,9	78	G1/2	189	88	21	60	0,6
FO 020	O 020	2000	70,6	120	G3/4	257	88	21	150	0,7
FO 033	O 033	3300	116,5	198	G1	261	125	37	160	1,2
FO 055	O 055	5500	194,2	335	G1	361	125	37	250	1,6
FO 085	O 085	8500	300,2	510	G1.1/2	461	125	37	350	1,9
FO 130	O 130	13000	459,1	780	G1.1/2	641	125	37	530	2,6
FO 167	O 167	16666	588,6	1000	G2	696	164	50	520	5,7
FO 250	O 250	25000	882,9	1500	G2	943	164	50	770	7,6
FO 280	O 280	28000	988,8	1680	G2.1/2	943	164	50	770	7,3
FO 360	O 360	36000	1271,3	2160	G3	801	242	60	630	16,7
FO 460	O 460	46000	1624,5	2760	G3	998	242	60	780	21,3

*At 7 Barg (P)

Dimensions: A - B - C - D letters of reference in the diagram above

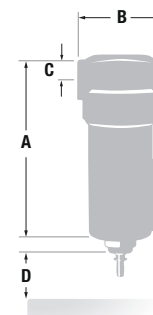


Diagram for CS type

AC

Activated carbon filters

Filter type AC

Model FILTER	Model cartridge AC (0,003 mg/m ³) AC Type	Flow rate*			Connections Ø (IN-OUT)		Dimensions			Weight Kg
		L/min	CFM	M ³ /h	Inch	A (mm)	B (mm)	C (mm)	D (mm)	
FAC 002	AC 002	167	5,9	10	G1/8	105	55	14	50	0,2
FAC 003	AC 003	300	10,6	18	G1/4	125	55	14	70	0,2
FAC 004	AC 004	417	14,7	25	G1/4	145	73	18	50	0,4
FAC 005	AC 005	500	17,7	30	G3/8	145	73	18	50	0,4
FAC 006	AC 006	583	20,6	35	G1/4	189	88	21	60	0,7
FAC 010	AC 010	1000	35,3	60	G3/8	189	88	21	60	0,6
FAC 013	AC 013	1300	45,9	78	G1/2	189	88	21	60	0,6
FAC 020	AC 020	2000	70,6	120	G3/4	257	88	21	150	0,7
FAC 033	AC 033	3300	116,5	198	G1	261	125	37	160	1,2
FAC 055	AC 055	5500	194,2	335	G1	361	125	37	250	1,6
FAC 085	AC 085	8500	300,2	510	G1.1/2	461	125	37	350	1,9
FAC 130	AC 130	13000	459,1	780	G1.1/2	641	125	37	530	2,6
FAC 167	AC 167	16666	588,6	1000	G2	696	164	50	520	5,7
FAC 250	AC 250	25000	882,9	1500	G2	943	164	50	770	7,6
FAC 280	AC 280	28000	988,8	1680	G2.1/2	943	164	50	770	7,3
FAC 360	AC 360	36000	1271,3	2160	G3	801	242	60	630	16,7
FAC 460	AC 460	46000	1624,5	2760	G3	998	242	60	780	21,3

*At 7 Barg (P)

Dimensions: A - B - C - D letters of reference in the diagram above

CS

Cyclonic separator filters

Filter type CS

Model FILTER	Model cartridge CS (<5 g/m ³) CS Type	Flow rate*			Connections Ø (IN-OUT)		Dimensions			Weight Kg
		L/min	CFM	M ³ /h	Inch	A (mm)	B (mm)	C (mm)	D (mm)	
FCS 002	CS 002	167	5,9	10	NB1/8	105	55	14	50	0,2
FCS 003	CS 003	300	10,6	18	NB1/4	125	55	14	70	0,2
FCS 004	CS 004	417	14,7	25	NB1/4	145	73	18	50	0,4
FCS 005	CS 005	500	17,7	30	NB3/8	145	73	18	50	0,4
FCS 010	CS 010	1000	35,3	60	NB3/8	189	88	21	60	0,6
FCS 013	CS 013	1300	45,9	78	NB1/2	189	88	21	60	0,6
FCS 020	CS 020	2000	70,6	120	NB3/4	257	88	21	150	0,7
FCS 033	CS 033	3300	116,5	198	NB1	261	125	37	160	1,2
FCS 085	CS 085	8500	300,2	510	NB1.1/2	461	125	37	350	1,9
FCS 167	CS 167	16666	588,6	1000	NB2	696	164	50	520	5,7
FCS 250	CS 250	25000	882,9	1500	NB2	943	164	50	770	7,6
FCS 280	CS 280	28000	988,8	1680	NB2.1/2	943	164	50	770	7,3
FCS 360	CS 360	36000	1271,3	2160	NB3	801	242	60	630	16,7

*At 7 Barg (P)

Dimensions: A - B - C - D letters of reference in the diagram above

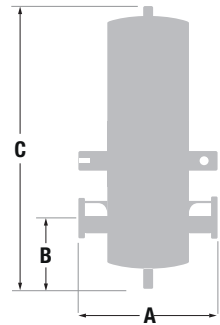


Diagram for F type

F

Sterile filters

Filter type F

Model FILTER	Model cartridge F (0,003 mg/m3) Type	Flow rate*			Connections Ø (IN-OUT) <i>Inch</i>	Dimensions			Weight <i>Kg</i>
		<i>L/min</i>	<i>CFM</i>	<i>M3/h</i>		<i>A (mm)</i>	<i>B (mm)</i>	<i>C (mm)</i>	
SF 013	F 013	1250	44,1	75	BSP-F 1/4"	116	74	223	3,2
SF 018	F 018	1750	61,8	105	BSP-F 3/8"	120	74	254	3,5
SF 025	F 025	2500	88,3	150	BSP-F 1/2"	125	74	254	3,5
SF 040	F 040	3750	132,4	225	BSP-F 3/4"	125	74	276	4,5
SF 050	F 050	5250	185,4	315	BSP-F 1"	136	81	295	4,5
SF 070	F 070	7000	247,2	420	BSP-F 1.1/4"	155	81	357	5
SF 100	F 100	10000	353,1	600	BSP-F 1.1/2"	180	106	408	6,2
SF 150	F 150	15000	529,7	900	BSP-F 2"	180	106	476	6,5
SF 210	F 210	21000	741,6	1260	BSP-F 2"	180	106	602	7
SF 280	F 280	28000	988,8	1680	BSP-F 2.1/2"	224	121	762	7,5
SF 400	F 400	40000	1412,6	2400	BSP-F 3"	224	131	1030	8,5
SF 600	F 600	60000	2118,9	3600	BSP-F 3"	225	136	1062	9

*At 7 Barg (P)

Dimensions: A - B - C letters of reference in the diagram above

CORRECTION FACTORS



Operating pressure
correction factors (P)

Operating pressure (Bar)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure (Psi)	29	44	58	72	87	100	116	130	145	160	174	189	203	218	233
Correction factor	0,38	0,50	0,63	0,75	0,88	1,00	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13