VikoPac

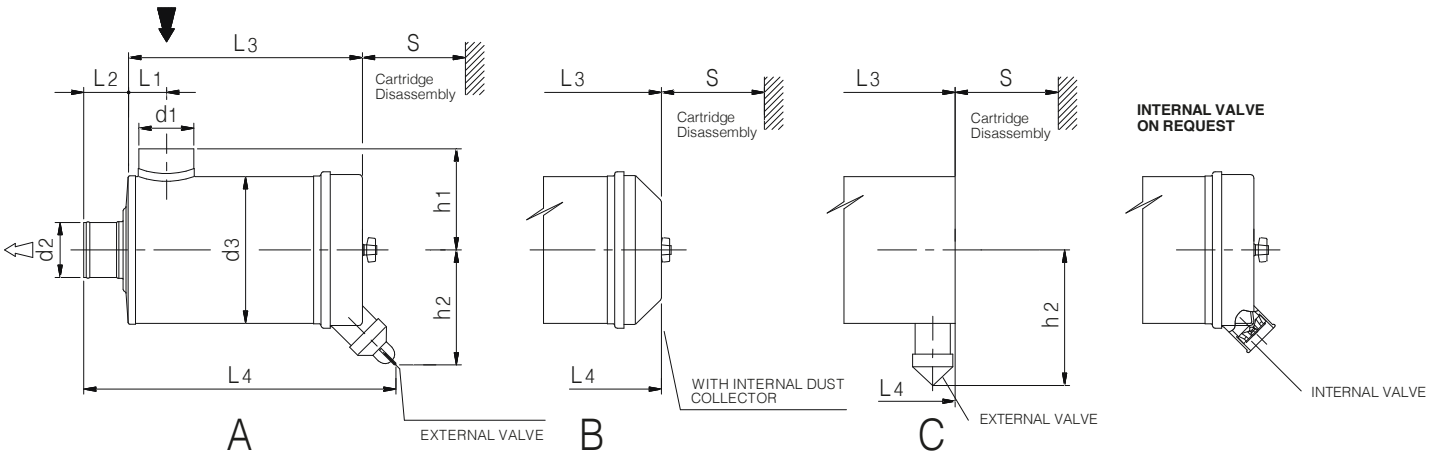
Two-stage air filter with a metal housing



Advantages:

The VikoPac air cleaners FC – FL series are two-stage filters manufactured with a compact shape and with a integrated separator pre-cleaner. They are suitable for heavy-duty applications, for example, earthmoving machines, building trade trucks, agricultural machines, etc. The VikoPac air cleaners can be mounted horizontally as well as vertically. The high quality of painting and manufacturing technology allows the housing to resist the worse environment conditions.

Metal standard air filters FC-FL series



Indicator connection on request

Technical Data

TEMPERATURE OF WORK -40 °C +100 °C (With peaks of + 120 °C)

Inch	Code	Cover	Type	Air flow m³/min	Main elements	Safety elements	Dimensions in mm									S
							d1	d2	d3	L1	L2	L3	L4	h1	h2	
4	FC04-1198103	P	A	1,7	CH04-1167500		51	44	112	37	51	203	272	92	83	125
	FC04-1191103	M	B	1,7	CH04-1167500		51	44	112	37	51	216	267	92	-	125
5	FC05-1155003	P	A	2,2	CH05-1155500		51	51	133	39	61	160	265	103	120	100
	FC05-1155023	P	A	1,9	CH05-1155500	ST05-1161800	51	51	133	39	61	160	265	103	120	100
	FC05-1183903	M	B	2,2	CH05-1155500		51	51	133	39	61	194	255	103	-	100
	FC05-1183923	M	B	1,9	CH05-1155500	ST05-1161800	51	51	133	39	61	194	255	103	-	100
	FC05-1109503	P	A	2,9	CH05-1110600		51	51	133	39	61	274	379	103	120	205
	FC05-1109523	P	A	2,7	CH05-1110600	ST05-1110800	51	51	133	39	61	274	379	103	120	205
	FC05-1160803	M	B	2,9	CH05-1110600		51	51	133	39	61	303	364	103	-	175
	FC05-1160823	M	B	2,7	CH05-1110600	ST05-1110800	51	51	133	39	61	303	364	103	-	175
	FL05-1164203	P	A	3,7	CH05-1146700		63,5	57	133	42	61	370	475	103	120	290
	FL05-1164223	P	A	3,5	CH05-1146700	ST05-1165500	63,5	57	133	42	61	370	475	103	120	290
	FL05-1169903	M	B	3,7	CH05-1146700		63,5	57	133	42	61	402	463	103	-	286
	FL05-1169923	M	B	3,5	CH05-1146700	ST05-1165500	63,5	57	133	42	61	402	463	103	-	286
6	FC06-1105303	P	A	3,7	CH06-1103800		63,5	57	165	42	61	297	402	118	135	240
	FC06-1105323	P	A	3,5	CH06-1103800	ST06-1110900	63,5	57	165	42	61	297	402	118	135	240
	FC06-1160403	M	B	3,7	CH06-1103800		63,5	57	165	42	61	332	393	118	-	195
	FC06-1160423	M	B	3,5	CH06-1103800	ST06-1110900	63,5	57	165	42	61	332	393	118	-	195
6	FL06-1130303	P	A	4,7	CH06-1129500		76	76	165	50	60	400	505	162	135	343
	FL06-1130323	P	A	4,5	CH06-1129500	ST06-1131500	76	76	165	50	60	400	505	162	135	343
	FL06-1170003	M	B	4,7	CH06-1129500		76	76	165	50	60	430	495	162	-	305
	FL06-1170023	M	B	4,5	CH06-1129500	ST06-1131500	76	76	165	50	60	430	495	162	-	305
	FL06-1157133	M	A	5,3	CH06-1129500		76	76	165	50	60	416	509	161,5	117	350
	FL06-1157143	M	A	4,7	CH06-1129500	ST06-1131500	76	76	165	50	60	416	509	161,5	117	350
8	FC08-1100233	P	A	6	CH08-1125400*		76	76	203	52	62	327	432	140	160	240
	FC08-1100243	P	A	5,7	CH08-1125400*	ST08-1111000	76	76	203	52	62	327	432	140	160	240
	FC08-1170133	M	B	6	CH08-1125400*		76	76	203	50	62	367	428	140	-	225
	FC08-1170143	M	B	5,7	CH08-1125400*	ST08-1111000	76	76	203	50	62	367	428	140	-	225
8	FL08-1130633	P	A	8,4	CH08-1128800		95	88,9	203	62	66	403	517	184	160	340
	FL08-1130643	P	A	7,2	CH08-1128800	ST08-1131600	95	88,9	203	62	66	403	517	184	160	340
	FL08-1153033	M	B	8,4	CH08-1128800		95	88,9	203	62	66	447	513	184	-	340
	FL08-1153043	M	B	7,2	CH08-1128800	ST08-1131600	95	88,9	203	62	66	447	513	184	-	340
10	FC10-1111633	M	A	9,2	CH10-1111700		102	101,6	260	73	63	420	522	185	161	277
	FC10-1111643	M	A	7,8	CH10-1111700	ST10-1123900	102	101,6	260	73	63	420	522	185	161	277
	FC10-1131333	M	B	9,2	CH10-1111700		102	101,6	260	73	63	420	490	185	-	277
	FC10-1131343	M	B	7,8	CH10-1111700	ST10-1123900	102	101,6	260	73	63	420	490	185	-	277
10	FL10-1131233	M	A	13,8	CH10-1130800		114	127	260	73	69	483	581	190	161	341
	FL10-1131243	M	A	10,8	CH10-1130800	SC10-1131700	114	127	260	73	69	483	581	190	161	341
	FL10-1131033	M	B	13,8	CH10-1130800		114	127	260	73	69	483	552	190	-	341
	FL10-1131043	M	B	10,8	CH10-1130800	SC10-1131700	114	127	260	73	69	483	552	190	-	341
12	FC12-1138033	M	A	14,4	CH12-1138800		114	114	300	73	70	418	520	200	180	277
	FC12-1138043	M	A	12,8	CH12-1138800	ST12-1139000	114	114	300	73	70	418	520	200	180	277
	FC12-1138233	M	B	14,4	CH12-1138800		114	114	300	73	70	418	488	200	-	277
	FC12-1138243	M	B	12,8	CH12-1138800	ST12-1139000	114	114	300	73	70	418	488	200	-	277
12	FL12-1587633	M	A	16,7	CH12-1363200		127	127	300	97	70	519	622	210	180	404
	FL12-1587643	M	A	15,5	CH12-1363200	ST12-1587000	127	127	300	97	70	519	622	210	180	404
	FL12-1587833	M	B	16,7	CH12-1363200		127	127	300	97	70	519	597	210	-	404
	FL12-1587843	M	B	15,5	CH12-1363200	ST12-1587000	127	127	300	97	70	519	597	210	-	404
14	FC14-1312233	M	A	20	CH14-1224500		152,2	152,2	356	108	89	473	597	257	208	330
	FC14-1312243	M	A	18	CH14-1224500	SC14-1225400	152,2	152,2	356	108	89	473	597	257	208	330
	FC14-1327733	M	B	20	CH14-1224500		152,2	152,2	356	108	89	473	569	257	-	330
	FC14-1327743	M	B	18	CH14-1224500	SC14-1225400	152,2	152,2	356	108	89	473	569	257	-	330
14	FL14-1336133	M	A	22,5	CH14-1335600		152,2	152,2	356	108	89	573	697	257	208	430
	FL14-1336143	M	A	20	CH14-1335600	SC14-1335700	152,2	152,2	356	108	89	573	697	257	208	430
	FL14-1344533	M	B	22,5	CH14-1335600		152,2	152,2	356	108	89	573	669	257	-	430
	FL14-1344543	M	B	20	CH14-1335600	SC14-1335700	152,2	152,2	356	108	89	573	669	257	-	430
16	FC16-1371133	M	A	29,5	CH16-1225300		178	178	406	135	80	530	637	283	235	400
	FC16-1371143	M	A	24,5	CH16-1225300	SC16-1225200	178	178	406	135	80	530	637	283	235	400
	FC16-1367033	M	B	29,5	CH16-1225300		178	178	406	135	80	530	610	283	-	400
	FC16-1367043	M	B	24,5	CH16-1225300	SC16-1225200	178	178	406	135	80	530	610	283	-	400
18	FL18-1722433	M	C	40	CH18-1723000		203	203	456	143	85	638	723	290	405	638
	FL18-1722443	M	C	35,6	CH18-1723000	SC18-1723200	203	203	456	143	85	638	723	290	405	638
21	FL21-1710003	M	C	54	CH21-1707000		254	254	545	183	100	613	713	328	446	613
	FL21-1710023	M	C	49,5	CH21-1707000	SC21-1707500	254	254	545	183	100	613	713	328	446	613

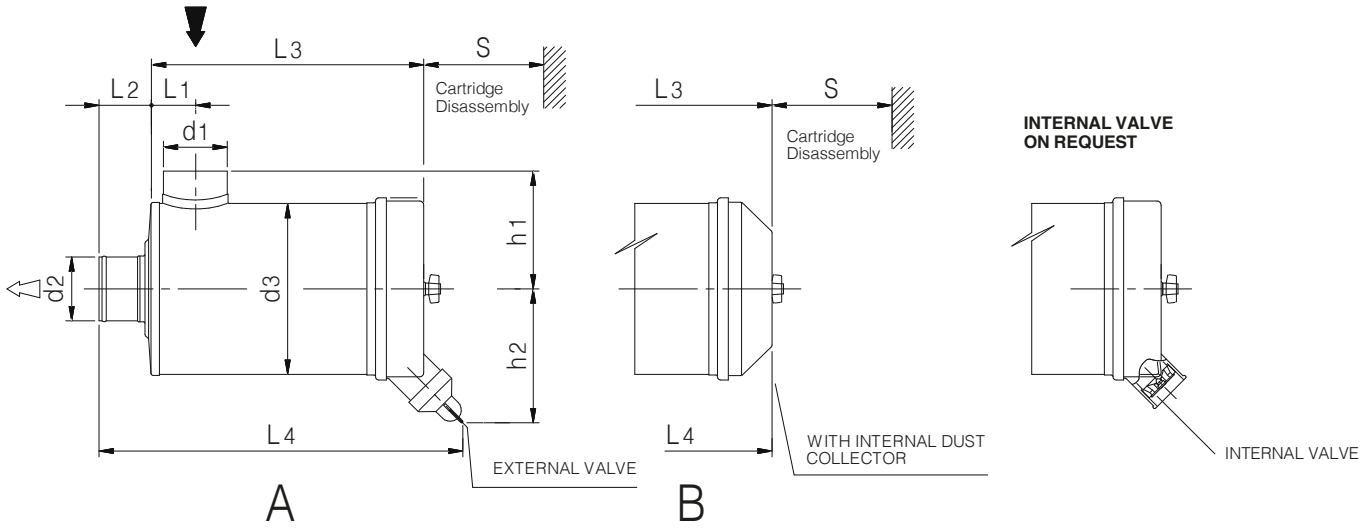
*CH08-1100300 has been replaced by CH08-1125400

P – Plastic Cap

M – Metal Cap

The nominal air flow has been calculated at 200 mm H2O of pressure drop.

Metal special air filters FC-FL series with different inlet and outlet pipes



Indicator connection on request



Properties

- Two-stage filtration with integrated pre-cleaner separator
- Filter elements with axial sealing technology
- Compact design
- Models with direct dust discharge or integrated dust collector
- Robust metal housing for extreme working conditions
- Installation position from horizontal to vertical
- Two mounting brackets per air filter
- Two connectors for Sentinel maintenance switches
- Large selection of filter versions and accessories
- Filter efficiency of 8 µm at 99.9% (ISO5011)
- Working temperature from -40°C to +100°C with peaks of +120°C
- Volume flow range from 1.7 m^3/min to 54.0 m^3/min (20mbar)

Technical Data

TEMPERATURE OF WORK -40 °C +100 °C (With peaks of + 120 °C)

Inch	Code	Cover	Type	Air flow m³/min	Main elements	Safety elements	Dimensions in mm									S
							d1	d2	d3	L1	L2	L3	L4	h1	h2	
4	FC04-1379503	P	A	1,7	CH04-1167500		51	51	112	37	51	203	270	92	83	125
	FC04-1378603	M	B	1,7	CH04-1167500		51	51	112	37	51	213	264	92	-	125
5	FC05-1163903	P	A	2,2	CH05-1155500		40	40	133	35	61	160	265	103	120	100
	FC05-1163923	P	A	1,9	CH05-1155500	ST05-1161800	40	40	133	35	61	160	265	103	120	100
	FC05-1177403	P	A	2,2	CH05-1155500		51	44	133	35	61	160	265	103	120	100
	FC05-1177423	P	A	1,9	CH05-1155500	ST05-1161800	51	44	133	35	61	160	265	103	120	100
	FC05-1185203	P	A	2,9	CH05-1110600		51	40	133	35	61	274	379	103	120	205
	FC05-1185223	P	A	2,7	CH05-1110600	ST05-1110800	51	40	133	35	61	274	379	103	120	205
	FC05-1168703	M	A	2,9	CH05-1110600		51	51	133	35	61	270	375	103	120	175
	FC05-1168723	M	A	2,7	CH05-1110600	ST05-1110800	51	51	133	35	61	270	375	103	120	175
6	FC06-1466103	P	A	3,7	CH06-1103800		63,5	51	165	42	61	297	402	118	135	240
	FC06-1466123	P	A	3,5	CH06-1103800	ST06-1110900	63,5	51	165	42	61	297	402	118	135	240
	FC06-1187303	P	A	3,7	CH06-1103800		63,5	60	165	42	61	297	402	118	135	240
	FC06-1187323	P	A	3,5	CH06-1103800	ST06-1110900	63,5	60	165	42	61	297	402	118	135	240
	FC06-1185303	P	A	3,7	CH06-1103800		63,5	60	165	42	77	297	418	118	135	240
	FC06-1185323	P	A	3,5	CH06-1103800	ST06-1110900	63,5	60	165	42	77	297	418	118	135	240
	FC06-1118903	P	A	3,7	CH06-1103800		76	60	165	50	61	297	402	118	135	240
	FC06-1118923	P	A	3,5	CH06-1103800	ST06-1110900	76	60	165	50	61	297	402	118	135	240
	FC06-1157003	M	A	3,7	CH06-1103800		63,5	57	165	42	61	297	402	118	135	240
	FC06-1157023	M	A	3,5	CH06-1103800	ST06-1110900	63,5	57	165	42	61	297	402	118	135	240
6	FL06-1181403	P	A	4,7	CH06-1129500		76	51	165	50	61	396	501	162	135	343
	FL06-1181423	P	A	4,5	CH06-1129500	ST06-1131500	76	51	165	50	61	396	501	162	135	343
8	FC08-1116933	P	A	6	CH08-1125400*		76	60	203	50	61	323	432	140	160	260
	FC08-1116943	P	A	5,7	CH08-1125400*	ST08-1111000	76	60	203	50	61	323	432	140	160	260
	FC08-1182333	P	A	6	CH08-1125400*		76	70	203	50	61	323	432	140	160	260
	FC08-1182343	P	A	5,7	CH08-1125400*	ST08-1111000	76	70	203	50	61	323	432	140	160	260
	FC08-1207633	M	B	6	CH08-1125400*		76	70	203	50	61	367	428	140	-	225
	FC08-1207643	M	B	5,7	CH08-1125400*	ST08-1111000	76	70	203	50	61	367	428	140	-	225
	FC08-1154133	M	A	6	CH08-1125400*		76	76	203	50	62	331	425	140	137	260
	FC08-1154143	M	A	5,7	CH08-1125400*	ST08-1111000	76	76	203	50	62	331	425	140	137	260
8	FL08-1155933	P	A	7,4	CH08-1128800		76	70	203	62	70	400	518	184	160	340
	FL08-1155943	P	A	6,7	CH08-1128800	ST08-1131600	76	70	203	62	70	400	518	184	160	340
	FL08-1156833	M	A	8,4	CH08-1128800		95	88,9	203	62	66	412	510	184	137	350
	FL08-1156843	M	A	7,2	CH08-1128800	ST08-1131600	95	88,9	203	62	66	412	510	184	137	350
	FL08-1304533	P	A	8,4	CH08-1128800		95	88,9	203	62	41	400	489	134	160	340
	FL08-1304543	P	A	7,2	CH08-1128800	ST08-1131600	95	88,9	203	62	41	400	489	134	160	340
10	FC10-1183133	M	A	9,2	CH10-1111700		102	76	260	73	105	427	568	185	160	277
	FC10-1183143	M	A	7,8	CH10-1111700	ST10-1123900	102	76	260	73	105	427	568	185	160	277
	FC10-1179633	M	B	9,2	CH10-1111700		102	88,9	260	73	107	427	534	185	-	277
	FC10-1179643	M	B	7,8	CH10-1111700	ST10-1123900	102	88,9	260	73	107	427	534	185	-	277
10	FL10-1168333	M	A	11,5	CH10-1130800		114	88,9	260	73	107	490	633	190	160	341
	FL10-1168343	M	A	10,2	CH10-1130800	SC10-1131700	114	88,9	260	73	107	490	633	190	160	341
	FL10-1178433	M	A	11,5	CH10-1130800		114	88,9	260	73	107	490	597	190	-	341
	FL10-1178443	M	A	10,2	CH10-1130800	SC10-1131700	114	88,9	260	73	107	490	597	190	-	341
	FL10-1398133	M	A	11,5	CH10-1130800		114	100	260	73	107	484	624	190	161	341
	FL10-1398143	M	A	10,2	CH10-1130800	SC10-1131700	114	100	260	73	107	484	624	190	161	341
	FL10-1176233	M	B	11,5	CH10-1130800		114	100	260	73	107	490	597	190	-	341
	FL10-1176243	M	B	10,2	CH10-1130800	SC10-1131700	114	100	260	73	107	490	597	190	-	341
	FL10-1212533	M	B	11,5	CH10-1130800		114	114	260	73	73	490	563	190	-	341
	FL10-1212543	M	B	10,2	CH10-1130800	SC10-1131700	114	114	260	73	73	490	563	190	-	341
12	FC12-1340133	M	A	13	CH12-1138800		114	110	300	73	122	418	573	200	180	277
	FC12-1340143	M	A	11,4	CH12-1138800	ST12-1139000	114	110	300	73	122	418	573	200	180	277
	FC12-1374233	M	A	14,7	CH12-1138800		127	127	300	97	70	418	521	210	180	280
	FC12-1374243	M	A	13,5	CH12-1138800	SC12-1139100	127	127	300	97	70	418	521	210	180	280
	FC12-1374333	M	B	14,7	CH12-1138800		127	127	300	97	70	418	488	210	-	280
	FC12-1374343	M	B	13,5	CH12-1138800	SC12-1139100	127	127	300	97	70	418	488	210	-	280
14	FC14-1365933	M	A	20	CH14-1224500		152,4	130	356	108	110	480	621	257	208	330
	FC14-1365943	M	A	18	CH14-1224500	SC14-1225400	152,4	130	356	108	110	480	621	257	208	330
	FC14-1365833	M	B	20	CH14-1224500		152,4	130	356	108	110	480	590	257	-	330
	FC14-1365843	M	B	18	CH14-1224500	SC14-1225400	152,4	130	356	108	110	480	590	257	-	330
14	FL14-1344433	M	B	25,9	CH14-1335600		152,4	130	356	108	110	580	690	257	-	430
	FL14-1344443	M	B	20	CH14-1335600	SC14-1335700	152,4	130	356	108	110	580	690	257	-	430

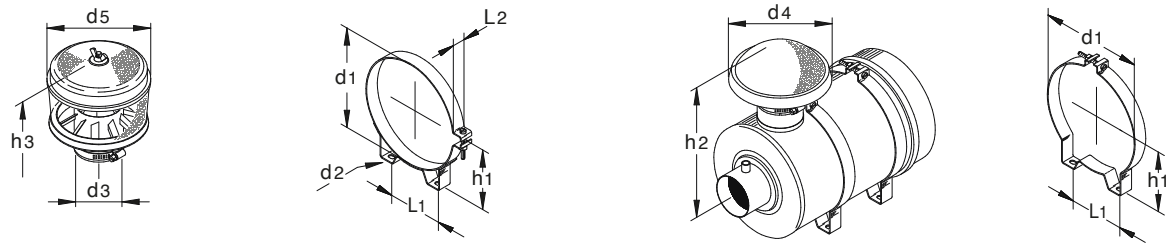
*CH08-1100300 has been replaced by CH08-1125400

P – Plastic Cap

M – Metal Cap

The nominal air flow has been calculated at 200 mm H2O of pressure drop.

How to choose Air filter
FC–FL series accessories

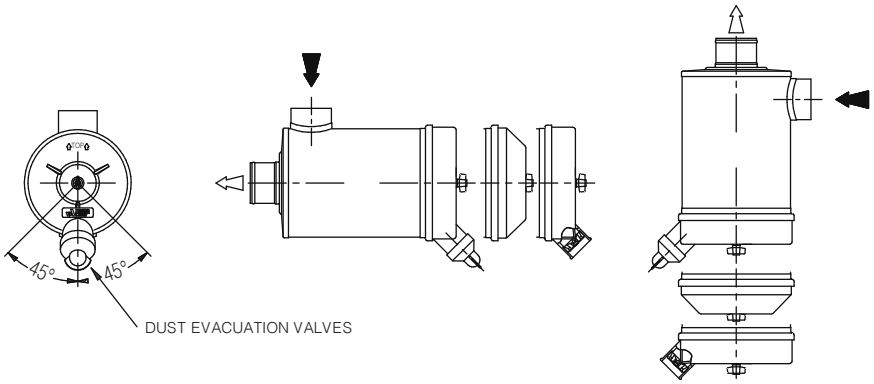


Double mounting band needed for air cleaner. For FC04 and FC05-11550 only one mounting band is necessary.

Below proposed accessories are only examples based on dimension match and does not take under consideration impact to other factors like airflow in case of pre-cleaners.

For more details regarding selection of pre-cleaners see page 49 with Vortex chapter.

Air filter	Cap	Precleaner	Mounting band	Type	Dimensions in mm									
					d1	d2	L1	h1	L2	d3	d4	d5	h2	h3
FC04	CP-1110500	CT-1119300	CF04-1192300	1	112	M8 x 1,25	70	65	40	51,2	133	143	142	183
FC05	CP-1110500	CT-1119300	CF05-1290600	1	133	9	83	74,5	38	51,2	133	143	155	210
FC05	CP-1110500	CT-1119300	CF05-1110100	2	133	9	83	80	20	51,2	133	143	153	194
FL05	CP-1107300	CT-1119200	CF05-1110100	2	133	9	83	80	20	63,7	152	143	159	210
FC06	CP-1107300	CT-1119200	CF06-1104300	2	165	13 x 9	95	100	22	63,7	152	143	175	209
FL06	CP-1103100	CT-1128300	CF06-1104300	2	165	13 x 9	95	100	22	76,2	160	173	237	277
FC08	CP-1103100	CT-1128300	CF08-1069200	2	203	13 x 9	108	120	25	76,2	160	173	215	255
FL08	CP-1508700	CT-1105000	CF08-1069200	2	203	13 x 9	108	120	25	96	252	270	263	335
FC10	CP-1509000	CT-1118500	CF10-1113100	1	260	11,5	127	145	32	102,2	250	270	264	335
FL10	CP-1509200	CT-1145400	CF10-1113100	1	260	11,5	127	145	32	114,2	250	270	269	340
FC12	CP-1509200	CT-1145400	CF12-1118400	1	300	13	152	175	32	114,2	250	270	279	385
FL12	CP-1635600	CT-1328200	CF12-1118400	1	300	13	152	175	32	127,2	250	306	282	395
FC14	CP-1580000	CT-1320900	CF14-1327300	1	355,5	13	203	203	35	152,5	360	306	325	430
FL14	CP-1580000	CT-1320900	CF14-1327300	1	355,5	13	203	206	35	152,5	360	306	325	430
FC16	CP-1686500	CT-1595300	CF16-1371200	1	406	13	254	231	38	178,2	385	406	390	514
FL18	CP-1741300	CT-1597100	CF18-1734800	1	456	13	400	234	48	-	412	-	437	-
FL21	CP-1741100	-	CF21-1721000	1	546	13	490	278	48	-	412	-	475	-



Mounting:

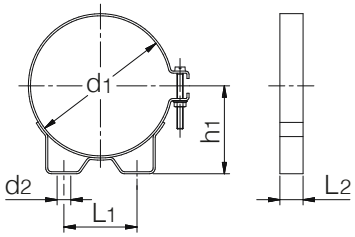
The dust evacuation valve position permit the horizontal and vertical installation of the air cleaner, with the horizontal position the evacuator valve can be rotate until 45° from the vertical line keeping the right operating.

Standard mounting metal bands for FC–FL series



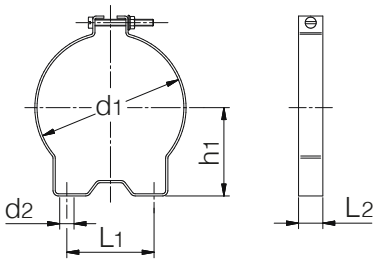
- Corrosion resistant
- Vibrations resistant
- Screws included
- Adapting to the housing thermal dilatations
- Steel made

Technical Data



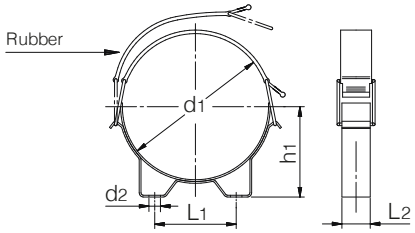
Code	Dimensions in mm				
	d1	d2	h1	L1	L2
CF05-1290600	133	9	80	83	22
CF06-1290700	165	13 x 9	102,5	92	22
CF07-1152700	187	13 x 9	120	110	25
CF08-1290800	203	13 x 9	123	110	25
CF08-1542000	203	9	116,5	110	25
CF10-1113100	260	11,5	146	127	32
CF12-1118400	300	13	175	152	32
CF14-1327300	355,5	13	206	203	35
CF16-1371200	406	13	231	254	38
CF18-1734800	456	14	234	400	48
CF21-1721000	546	14	278,5	490	48

Double mounting band needed for air cleaner



Code	Dimensions in mm				
	d1	d2	h1	L1	L2
CF05-1110100	133	13 x 9	80	79	20
CF06-1104300	165	13 x 9	100	95	22
CF08-1069200	203	13 x 9	120	107	25

Double mounting band needed for air cleaner



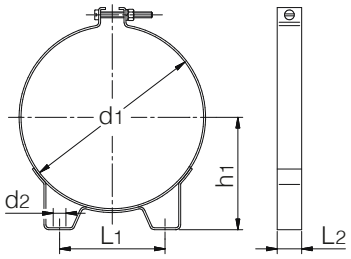
Code	Dimensions in mm				
	d1	d2	h1	L1	L2
CF06-1548600	165	13 x 9	102	92	32
CF08-1549000	203	13 x 9	123	110	32
CF10-1561800	260	11	146	127	32

Double mounting band needed for air cleaner

Special mounting metal bands for FC – FL series



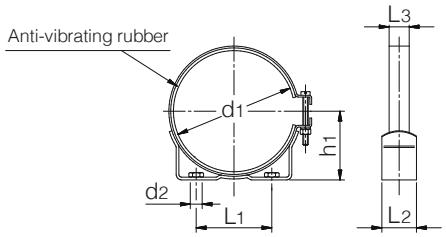
- Corrosion resistant
- Vibrations resistant
- Screws included
- Adapting to the housing thermal dilatations
- Steel made



Technical Data

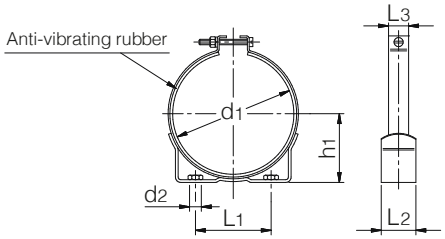
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF07-1219700	187	13 x 9	120	108	25	-

Double mounting band needed for air cleaner



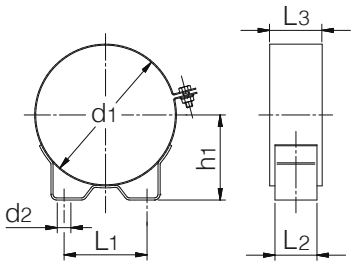
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF05-1195600	133	M8 x 1,25	74,5	83	38	22

Only one mounting band needed for air cleaner



Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF05-1195700	133	M8 x 1,25	74,5	83	38	22

Only one mounting band needed for air cleaner

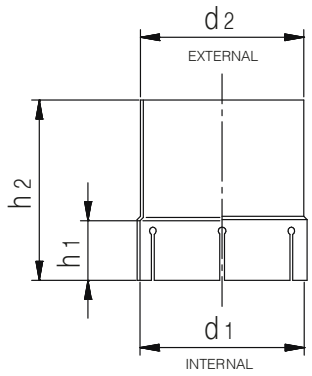


Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF04-1192300	112	M8 x 1,25	72	70	40	50
CF05-1333700	133	9	81	83	40	50

Only one mounting band needed for air cleaner

Metal extension -Just for unfiltered air intake



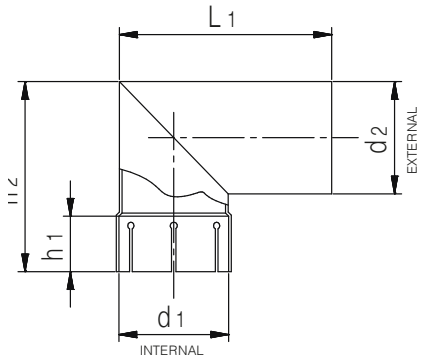


Code	Dimensions in mm				
	d1	d2	h1	h2	L1
ET-1219000	64	63,5	30	110	-
ET-1219100	76,5	76	32	110	-
ET-1109900	76,5	76	32	200	-
ET-1280500	102,5	102	70	530	-
ET-1286500	76,5	70	25	40	-
ET-1519800	76,5	76	35	70	-
ET-1150100	88	62	35	70	-
ET-1150200	88	50	35	70	-
ET-1348700	150	100	35	70	-
ET-1400800	50	40	30	80	-
ET-1675700	114,2	102	40	87	-
ET-1475500	114,5	114	40	160	-
ET-1549500	127,5	115	40	89	-
ET-1594000	96	96	25	130	-
ET-1932300	96	96	25	150	-
ET-1634500	96	95	25	280	-
ET-1636000 *	76	60	19	58	-
ET-1639400	96	96	25	85	-
ET-1658500	96	96	25	78	-
ET-1476300	100,5	114	40	82	-

* With special gasket

Metal pipe bends -Just for unfiltered air intake





Code	Dimensions in mm				
	d1	d2	h1	h2	L1
ET-1219200	63,5	63,5	28	92	152
ET-1219300	51,1	51	40	100,5	100
ET-1219400	44,2	45	36	81	90
ET-1265200	50	50	30	90	100
ET-1401100	50	40	26	80	65
ET-1521900	76	76	26	121	110