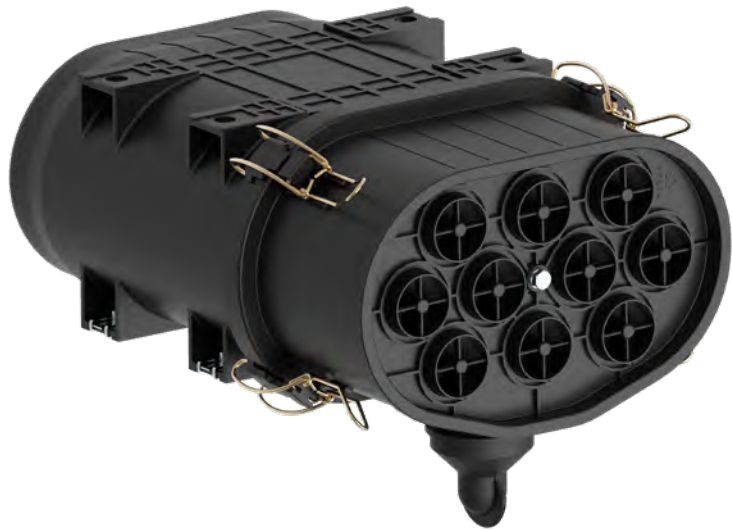




longday
the oem source



**Engine and
Compressor
Air Filtration**

**For light,
medium
& heavy dust**



longday
the oem source

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Longday air filters are designed to guarantee safe and clean air for human health and machinery within various main business sectors worldwide!

Longday is a professional solutions provider of air filtration products and international & exclusive partner of Virgis Filter S.p.A.

We design, produce, and deliver high-efficiency filters and filter elements for manufacturers (OEM) and wholesalers worldwide according to customer requirements.

We cover the needs of different market segments such as: On road, Off road, Marine and Air Purification Systems for Indoor air quality, Railway, and Industrial.



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QUALITY POLICY



IT IS NECESSARY AND A STATE OF MIND

Longday and Virgis consider Quality as the tool to satisfy customer expectations and to continually improve, furthermore it is key to our strategy of delivering quality products at competitive prices.

Our policy is based as follows :

1. Customer satisfaction / Development
2. Innovation a technology
3. Continuous product and management structure improvement
4. Active involvement of employees
5. Cooperation with suppliers







**Engine & compressor filters
for light & medium dust
ISO 5011**



ViroSeal

Single-stage air filters with a plastic housing



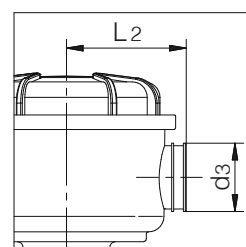
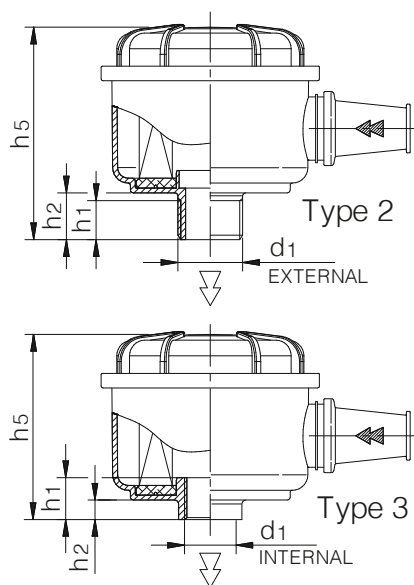
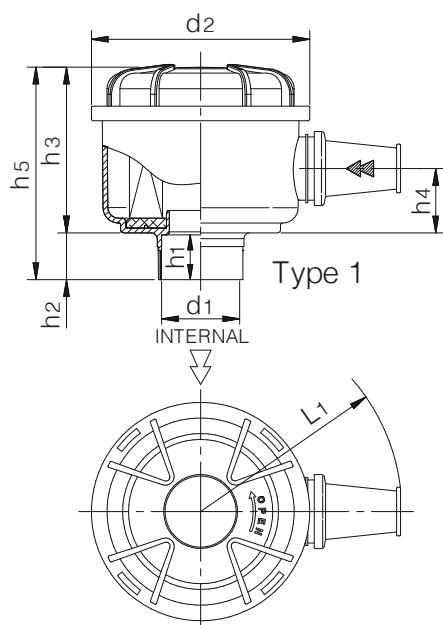
ViroSeal dry air filters have plastic housing with a sound-absorbing intake pipe. The main filter element with its reliable radial seal technology is made of high-grade raw materials. The filter can be serviced rapidly and simply without any tools. This single-stage dry air filter is used in a range of applications, including small combustion engines, screw and piston compressors, farming machinery, lawnmowers, generator sets and small marine engines. Special versions for vacuum pumps are available on request.

Applications

The series of compact "FAR" filters is widely applicable on:

- Screw and piston compressors
- Small c.c. engines: cultivators, grass sweepers, standby power plants, etc.
- Marine engines
- Vacuum pumps (on request)

Plastic air filters FAR series



Version without
silencer pipe
air flow increased 12%



Technical Data

TEMPERATURE OF WORK -35 °C +90 °C (With peaks of +110 °C)

Code	Type	Air flow m³/min	Elements	Dimensions in mm									
				d1	d2	d3	h1	h2	h3	h4	h5	L1	L2
FAR-1571800	1	0,6	CH-1563300	20	112	35	23	24	85	33	109	102,5	61,5
FAR-1572000	1	0,8	CH-1563300	30	112	35	23	24	85	33	109	102,5	61,5
FAR-1563800	1	1	CH-1563300	40	112	35	23	24	85	33	109	102,5	61,5
FAR-1658700	1	1,7	CH-1638400	40	144	52	23	23	113	52	136	129	78
FAR-1638000	1	2,2	CH-1638400	52	144	52	23	23	113	52	136	129	78
FAR-1809300	1	2,6	CH-1809000	52	175	50	26	29,5	97	41	126	149	97
FAR-1809200	1	2,6	CH-1809000	60	175	50	26	29,5	97	41	126	149	97
FAR-1809100	1	2,9	CH-1809000	71	175	50	26	29,5	97	41	126	149	97
FAR-1571900 *	2	0,6	CH-1563300	G 3/4	112	35	20	24	85	33	109	102,5	61,5
FAR-1788600	3	0,2	CH-1563300	G 1/2	112	35	21,5	3,5	85	33	90	102,5	61,5
FAR-1569400	3	0,6	CH-1563300	G 3/4	112	35	21,5	10	85	33	97	102,5	61,5

* Delivery times to be agreed

The nominal air flow has been calculated at 150 mm H2O of pressure drop.



Properties

- Deployable in different applications
- Sound-absorbing intake pipe
- Suitable for high humidity conditions
- Available with the customer's logo
- Metal-free
- Fully recyclable
- Simple and rapid servicing
- Direct installation without a mounting bracket
- Can be fitted in any position
- Filter efficiency (8µm) of 99.9% (ISO5011)
- Operating temperature range of -35°C to +90°C with peaks of +110°C
- Volume flow range from 0.2m³/min to 3m³/min (15mbar)



ViroPac

Single-stage air filter with a metal housing



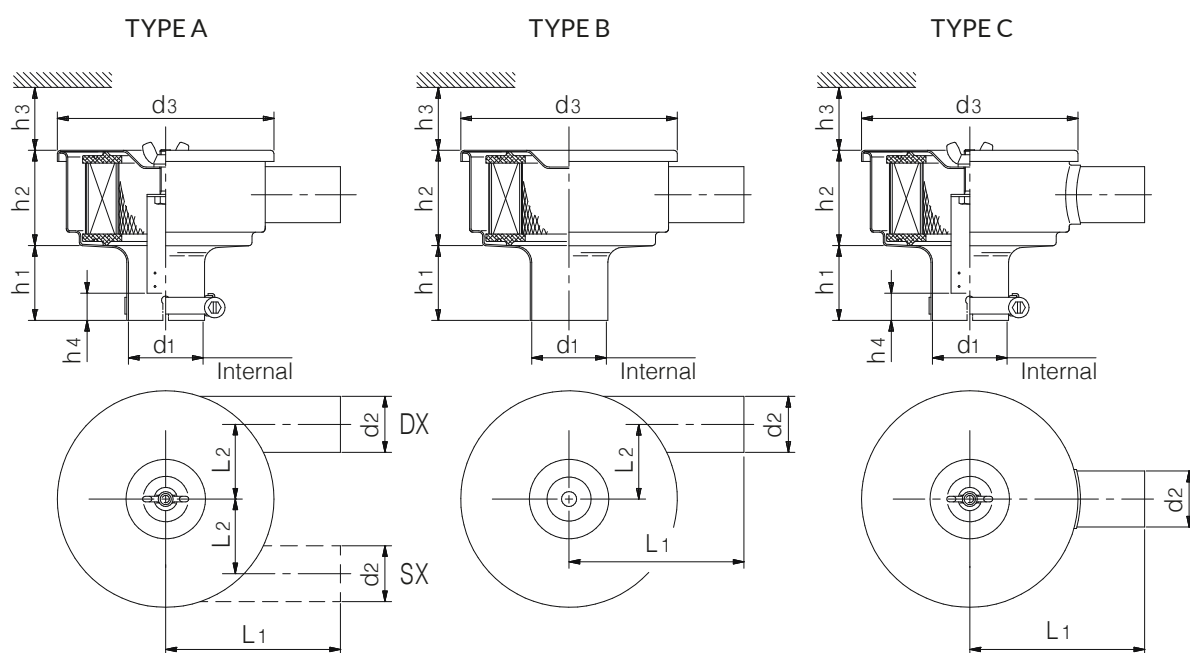
ViroPac single-stage dry air filters are equipped with a metal housing and a noise-reducing intake pipe. The main filter element with its reliable axial seal technology is made of high-grade raw materials. The filter can be serviced rapidly and simply without any tools. This single-stage dry air filter is used in a range of applications including small combustion engines, screw and piston compressors, farming machinery, lawnmowers, generator sets and small marine engines.

Applications

The series of compact FA metal filters is widely applicable on :

- Screw and piston compressors
- Small c.c engine: cultivators, grass sweepers, standby power plants, etc.

Metal air filters FA series



Technical Data

TEMPERATURE OF WORK -35 °C +90 °C (With peaks of +110 °C)

Code	Type	Air flow m ³ /min	Elements	Dimensions in mm									Pipe position
				d1	d2	d3	h1	h2	h3	h4	L1	L2	
FA-1415800	C	1	CH-1403700	40	26	113,5	40	51	75	16	83,5	-	-
FA-1190100	A	2,4	CH-1121000	48,3	36	169	58	67	85	24	230	53	DX
FA-1214400	B	2	CH-1121000	67,5	36	169	20	66,3	85	-	230	53	-
FA-1196000	A	2,8	CH-1195800	48,3	36	169	58	88,5	110	22	230	53	DX
FA-1349600	A	2,8	CH-1213500	50,2	36	240	27	57	80	-	195	97,5	DX
FA-1756000	A	2,9	CH-1213500	52,2	36	240	27	57	80	-	195	97,5	DX
FA-1426800	A	2,8	CH-1213500	60	36	240	47	57	80	20	195	97,5	DX
FA-1355600	B	2,2	CH-1213500	67,5	35	240	20	57	80	-	195	97	DX
FA-1254100	A	5,2	CH-1246300	60	57	240	54	88	110	25	255	87	DX
FA-1255000	B	5	CH-1253200	66,5	57	260	23	92	110	-	255	97	-
FA-1211900	C	2,9	CH-1213500	50,2	42	240	27	57	80	-	180	-	-

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



Properties

- Deployable in different applications
- Sound-absorbing intake pipe
- Suitable for high humidity conditions
- Available with the customer's logo
- Robust
- Simple and rapid servicing
- Direct installation without a mounting bracket
- Can be fitted in any position
- Filter efficiency (8µm) of 99.9% (ISO5011)
- Operating temperature range of -35°C to +90°C with peaks of +110°C
- Volume flow range from 0.8 m³/min to 5.2 m³/min (15mbar)



ViroClean

Single-stage air filter without a housing



If the ViroClean air cleaners are fitted onto electronic diesel engine they must be serviced with water and washing powder every 300 hours, let it dry or use compressed air (Max 5 bar) to avoid to damage the filter element.

If the Viroclean is used onto aspirated diesel engines they must be serviced every 200 hours.

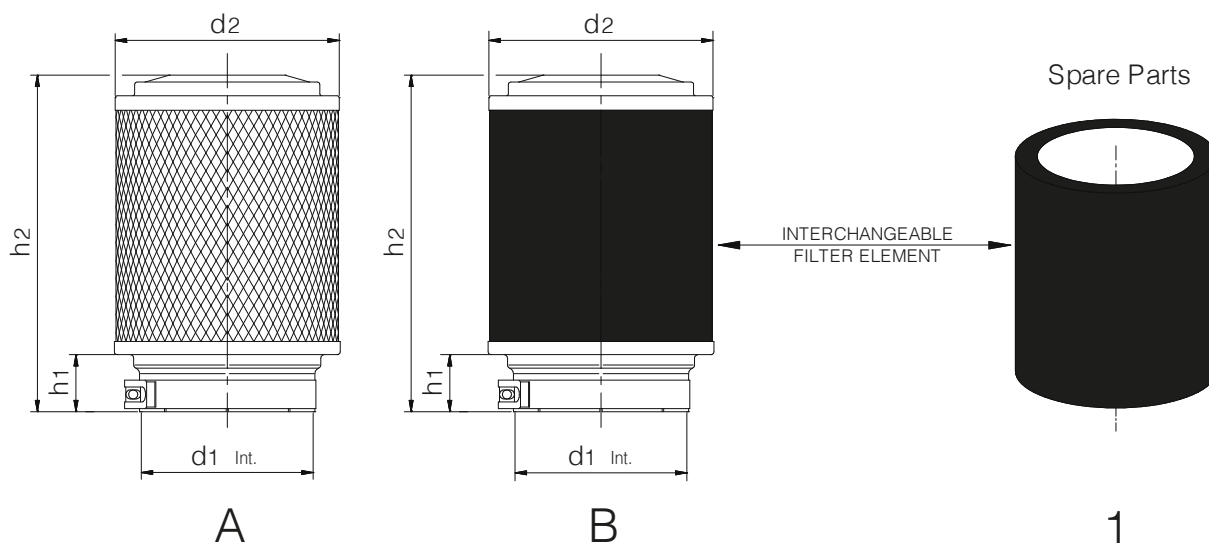
Every 2/3 years the air cleaner should be replaced (type A) or replace the sponge (type B). Sometimes it is necessary replace also the air cleaner (type B) completely every 2/3 years.

Applications

Viroclean filter are mainly used on marine or light duty application.

- The temperature tolerance are - 35 C° and + 110 C° with peaks of 130 C°.

Marine air filters SF series



Technical Data

TEMPERATURE OF WORK -35 °C +110 °C (With peaks of +130 °C)

Code	Type	Air flow m³/min	Dimensions in mm				Spare parts
			d1	d2	h1	h2	
SF44-1645300 *	B	4,2	44	107	35	119	SFR-1643400
SF52-1644000	B	4,8	52	107	35	119	SFR-1643400
SF60-1644100	B	5,8	60	107	35	119	SFR-1643400
SF70-1343700	A	10,4	70,2	120	35	185	-
SF70-1402700	B	10,4	70,2	120	35	185	SFR-1353400
SF80-1370100	A	11,5	80,2	147	38	180	-
SF80-1402800	B	11,5	80,2	147	38	180	SFR-1370600
SF100-1427800	A	19	100,2	147	38	215	-
SF100-1427900	B	19	100,2	147	38	215	SFR-1505200
SF120-1335000	A	23,4	120,2	166	38	260	-
SF120-1398700	B	23,4	120,2	166	38	260	SFR-1353700
SF150-1343400	A	39	150,2	196	50	295	-
SF150-1398800	B	39	150,2	196	50	295	SFR-1354000
SF200-1562600	A	53	200,2	232	45	330	-
SF200-1563200	B	53	200,2	232	45	330	SFR-1562800

* d1 with reduction

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



Properties

- Re-usable, either washable or replaceable foam element
- Long-term filter without a housing
- Direct installation without a mounting bracket
- Can be fitted in any position
- Filter efficiency of 30ppi (pores per inch)
- The operating temperature of -35°C to +110°C with peaks of +130°C
- Volume flow range of 4.2m³/min to 53.0m³/min (20mbar)



ViroSoft

One-way, single-stage air filters without a housing



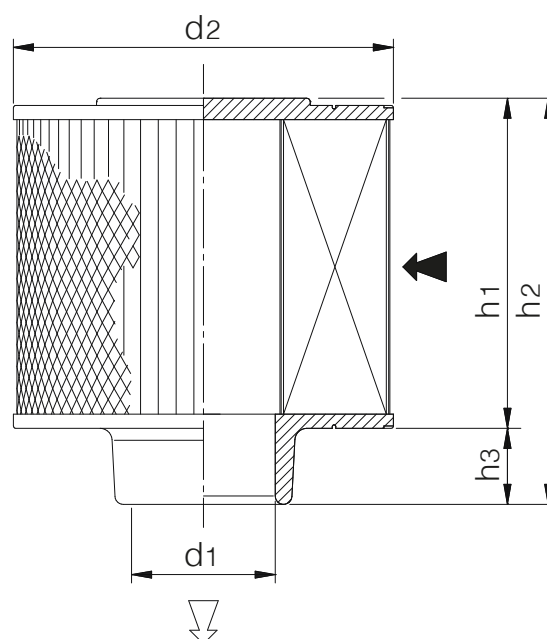
ViroSoft one-way, single-stage dry air filters are suitable for high-pulsation applications subject to a slight dust load. Typical applications include small engines (1-3 cylinders) in electricity generators, compressors, marine engines and fork-lift trucks, etc. This air cleaner maintains an efficiency of 99.9 % but with economical replacement cost compared to the two-stage air cleaners.

Applications

ViroSoft is suitable for the light-duty applications:

- Marine engines
- Air compressors
- Forklift truck
- Generator sets
- High pulsating small engines
- Max torque 2 Nm

Air filters FE series soft



Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Code	Air flow m ³ /min	Dimensions in mm				
		d1	d2	h1	h2	h3
FE-1544700	3,4	40	112	103	128	25
FE-1311500	4	50	112	100	120	20
FE-1411100	6,7	60,5	160	139	171	32
FE-1311600	9	76	130	126	151,5	25,5
FE-1383500	9,8	77	160	136	162	26

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



Properties

- Suitable for high-pulsation applications
- One-way air filter
- Direct installation without a mounting bracket
- Can be fitted in any position
- Filter efficiency (8µm) of 99.99% (ISO5011)
- Operating temperature range of -35°C to +85°C with peaks of +100°C
- Volume flow range from 3.4m³/min to 9.8m³/min (20mbar)
- Beside normal range, we can resize the filters according to customer needs on request



ViroLite

One-way, one-stage air filters with and without a housing



The ViroLite are very reliable one-stage air cleaners completely disposable. The ViroLite air cleaners are rigid, suitable for severe pulsation applications (two and three cylinder engines).

The ViroLite air cleaners are lightweight and compact designed, easy to install (self-supporting) and can be fitted vertically or horizontally. This air cleaner maintains an efficiency of 99.9 % but with economical replacement cost compared to the two-stage air cleaners.

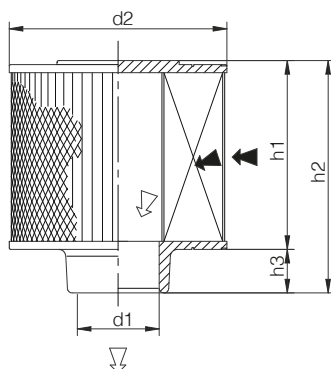
Applications

ViroLite is suitable for the light-duty applications:

- Marine engines
- Air compressors
- Forklift truck
- Generator sets
- High pulsating small engines

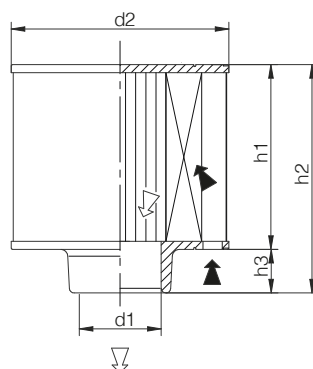
Air filters FE series rigid

TYPE A

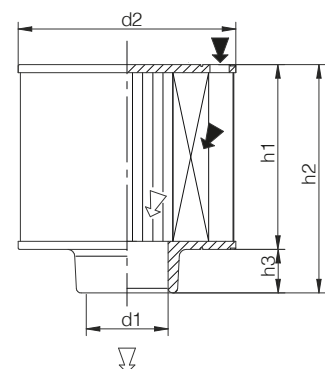


TYPE B

Medium Duty



TYPE C



Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Code	Type	Air flow m ³ /min	Dimensions in mm				
			d1	d2	h1	h2	h3
DL-1891900	B	3	45	140	102	137	35
DL-1771000	B	3,2	51	165	102	136	34
DL-1733200 *	C	5,3	51	165	229	263	34
DL-1733000	B	4,7	57	165	127	161	34
DL-1760400	A	7	62	112	100	123	20
DL-1733300	B	5,1	64	216	102	136	34
DL-1733100	B	8	64	216	165	199	34
DL-1760600	A	10	76	132	125	147	19
DL-1655000	A	12,5	76	217	280	314	34
DL-1685900 *	A	12,5	76	217	280	314	34
DL-1732900	B	7,5	76	216	241	276	34
DL-1609700	A	12,2	77	160	139	165	26
DL-1782300	B	10	100	267	152	186	34
DL-1656000	A	19,5	101	217	280	314	34
DL-1686200 *	A	19,5	101	217	280	314	34
DL-1614100	A	21,6	101	266	267	300	33
DL-1686400 *	A	21,6	101	266	267	300	33
DL-1716300 *	A	21,6	101	266	229	261	33
DL-1733500	B	16	102	267	267	300	34
DL-1659700	A	30	127	316	228	262	30
DL-1575100 *	A	30	127	316	228	262	30
DL-1733600	B	23,6	127	317	279	312	33
DL-1711400 *	A	40	150	196	260	298	38
DL-1711100	A	60	200	316	400	443	43
DL-2014700	A	109	250	420	430	480	50

* Oiled for marine applications

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



Properties

- Suitable for high-pulsation applications
- One-way single-stage air filter
- The optional solution instead of a two-stage air filter
- Direct installation without a mounting bracket
- Can be fitted in any position
- Filter efficiency (8µm) of 99.9% (ISO5011)
- Operating temperature range of -35°C to +85°C with peaks of +100°C
- Volume flow range from 3.0 m³/min to 60 m³/min (20mbar)
- Beside normal range we can resize the filters according customer needs on request



UniquePro

Fully customised one way filter series

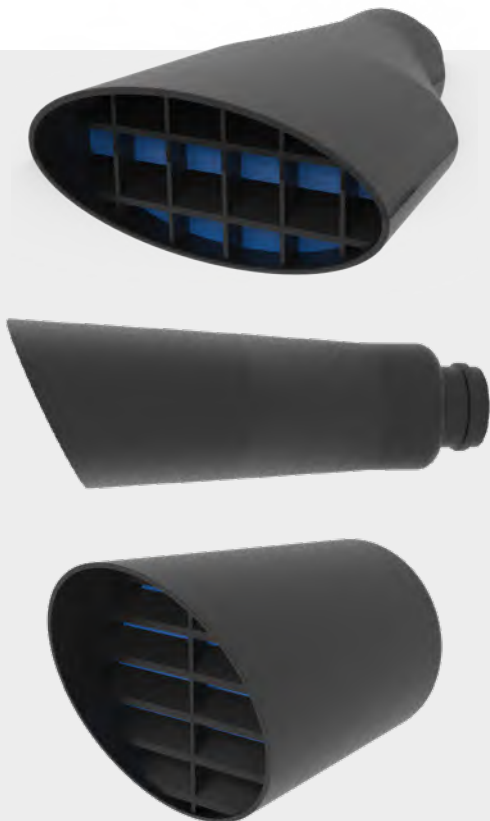


UniquePro is a product series dedicated to OEMs that are looking for fully customized, high-performance air filters that not only will perfectly match the application in terms size and shape, but also will become a part of the application and protect the spare part business.

This kind of filters are available in almost any size and almost any shape according to Customer's request.

For large production series, the Customer's unique branding can be applied directly into the housing mold. The variety of customization options (shape, size, material, performance, technology, colors etc.) support our Customers in their innovations.

The simple and efficient design minimizes the need of accessories needed for the applications.



Properties

- One way filter
- Available in almost any size and shape for large production series
- On request also different color for housing and media available (e.g. Corporate Identity color)
- Very compact and 100% adapted to your application – becomes an integral part of your application
- High-performance single stage filtration with low pressure drop
- Axial airflow enables a very low air flow restriction at highest air cleaning performance
- The filter element is built with honeycomb pleating technology
- About 10 times more filter surface as comparable pleated filter elements
- Filter media is made with high-performance Nanofiber and has hydrophobic (water-repellant) property
- The filter element is fully welded with ultrasonic technology to the housing enables the highest sealing safety
- No mounting band required, it is a part of the filter
- Simple service and avoids incorrect assembly
- Only one part
- High spare part business protection
- Marking – Branding directly in housing mold
- Innovative filter technology



2 Engine filters for medium & heavy dust ISO 5011



JoktoPur

Two-stage air cleaner with multi-cyclone pre-cleaner



The JoktoPur compact-two-stage air cleaner has an integrated high-efficiency multi-cyclone pre-cleaner with an efficiency up to 95%. This compact-filter provides a high airflow capacity and maximum filter lifetime. The oval, compact filter design enables fitting in a tight space area.

Smaller is Better

Using this philosophy, Longday have designed a new Air Cleaner System that provides a solutions for the problem that all manufactures face today with engines demanding greater performance, new emission legislation, more air consumption and less available engine compartement space. This new concept enables the O.E. to use small Air Cleaner, which achieves the same performance as a conventional Air Cleaner.

Advantages:

- More compact at a given performance level than a conventional filter
- Axial air flow and integrated mounting brakets
- Various possibilities of installation
- Precleaner cover with a separation up to 95%, longer filter service life
- Working temperature - 35 °C a + 85 °C with peaks + 100 °C



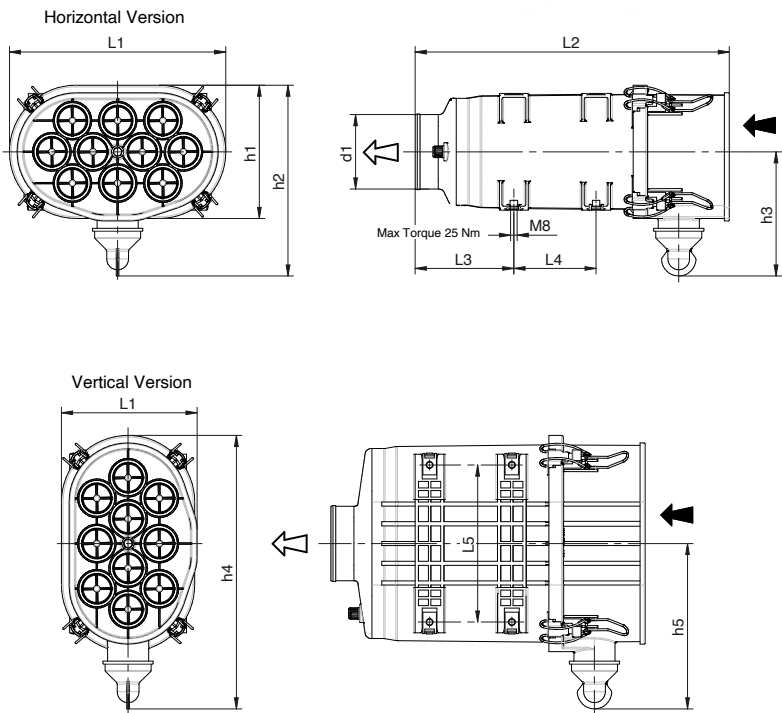
To scavenge is better

Scavenging is obtained by introducing a secondary flow (connecting for example to the ejector muffler) to the drop tube on the multi-cyclone block. In this way the contaminant is sucked into the exhaust stream. JoktoPur is designed to operate with or without scavenging. The main advances of scavenging mode are:

- Longer filter life service, resulting with higher pre-cleaner efficiency;
- Drop tube not just straight down but it can be located in various orientations;
- No servicing required (if installed only with evacuator valve and if heavy duty condition occur, can be easily serviced).



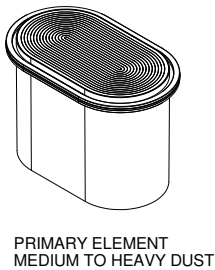
Plastic filters service access
at the end of the injector Fj series



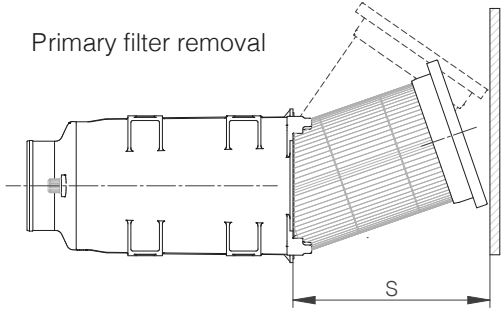
Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Type	Air flow m³/min	Main elements	Safety elements	Dimensions in mm											
						d1	L1	L2	L3	L4	L5	h1	h2	h3	h4	h5	S
4	FJ04-20088C0	horizontal	2,15	CH04-2003700	PST04-2005100	44	162	233	95	-	100	130	183	126	-	-	180
6	FJ06-20460C0	horizontal	4,1	CH06-2027100	PST06-2026400	63,5	230	333	79,5	100	160	151	213,5	138	-	-	200
8	FJ08-19233C0	horizontal	6,4	CH08-1904900	PST08-1962000	90,6	263	382	120	100	191	165	232	151	-	-	200
	FJ08-19136C0	vertical	6,4	CH08-1904900	PST08-1962000	90,6	263	382	120	100	191	165	-	-	333	201	200



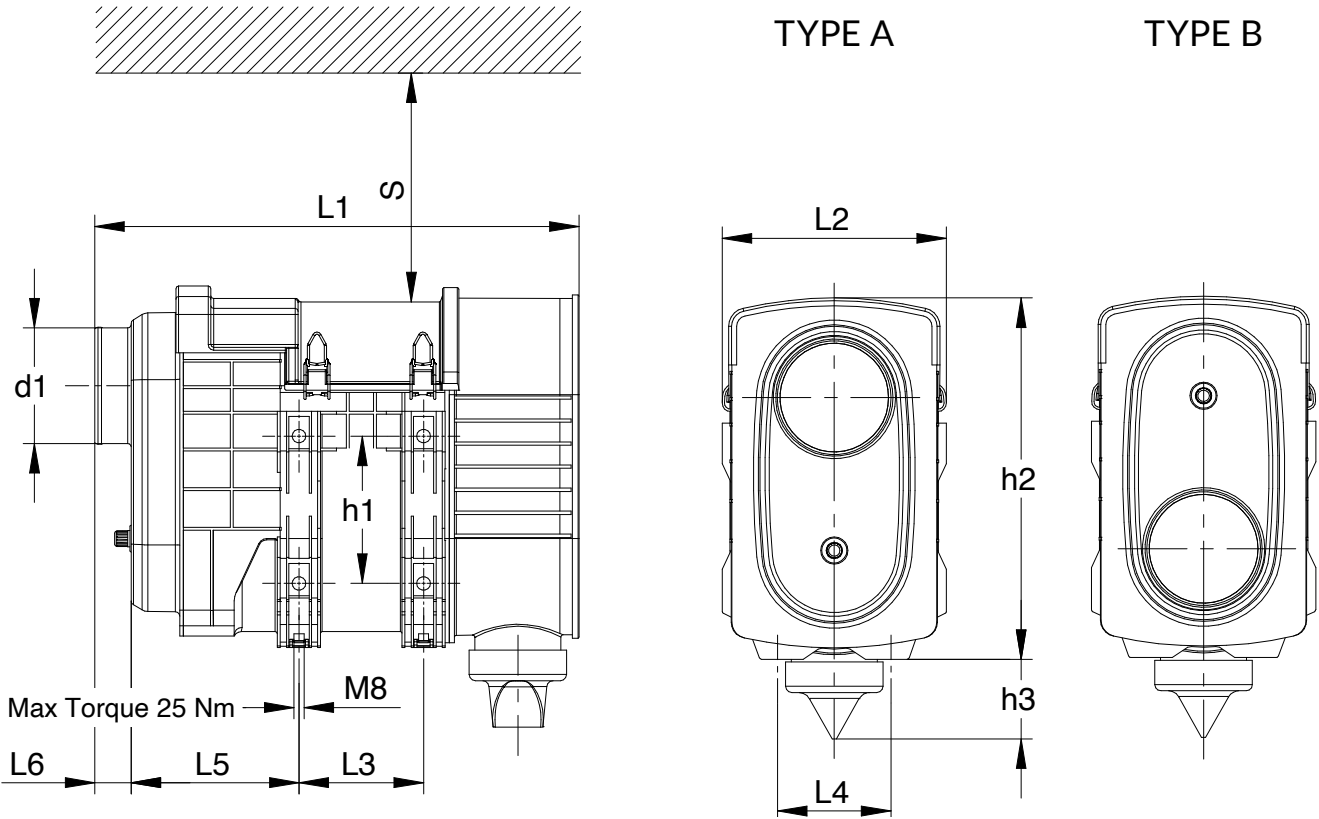
Cod. CH04-2003700
Cod. CH06-2027100
Cod. CH08-1904900
Cod. CH15-2050400



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



Plastic filters service access on the side FJ series

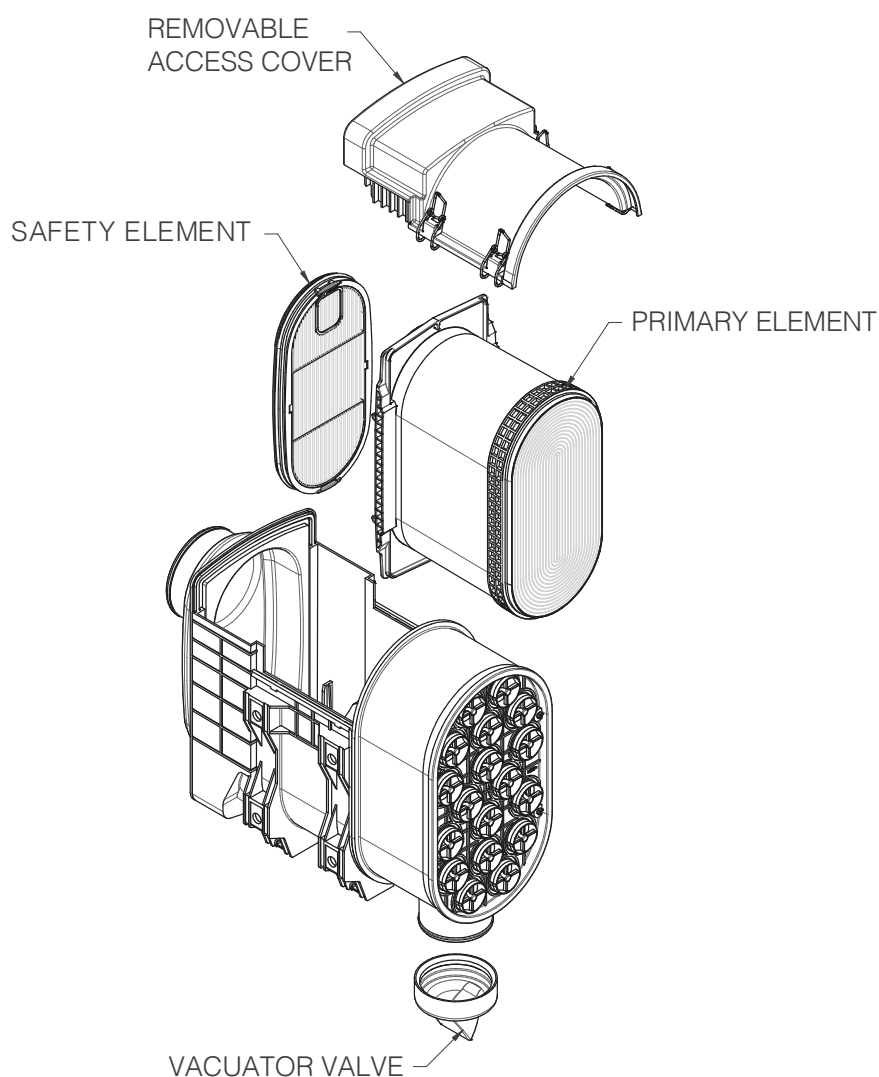


Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Air flow m³/min	Main elementst	Safety elements	Type	Dimensions in mm										
						d1	L1	L2	L3	L4	L5	L6	h1	h2	h3	S
9	FJ09-19155C0	8,4	CH09-1915700	PSC09-1915800	A	102	428	198	110	100	148	32	130	320	71	330
	FJ09-19700C0	8,4	CH09-1915700	PSC09-1915800	B	102	428	198	110	100	148	32	130	320	71	330

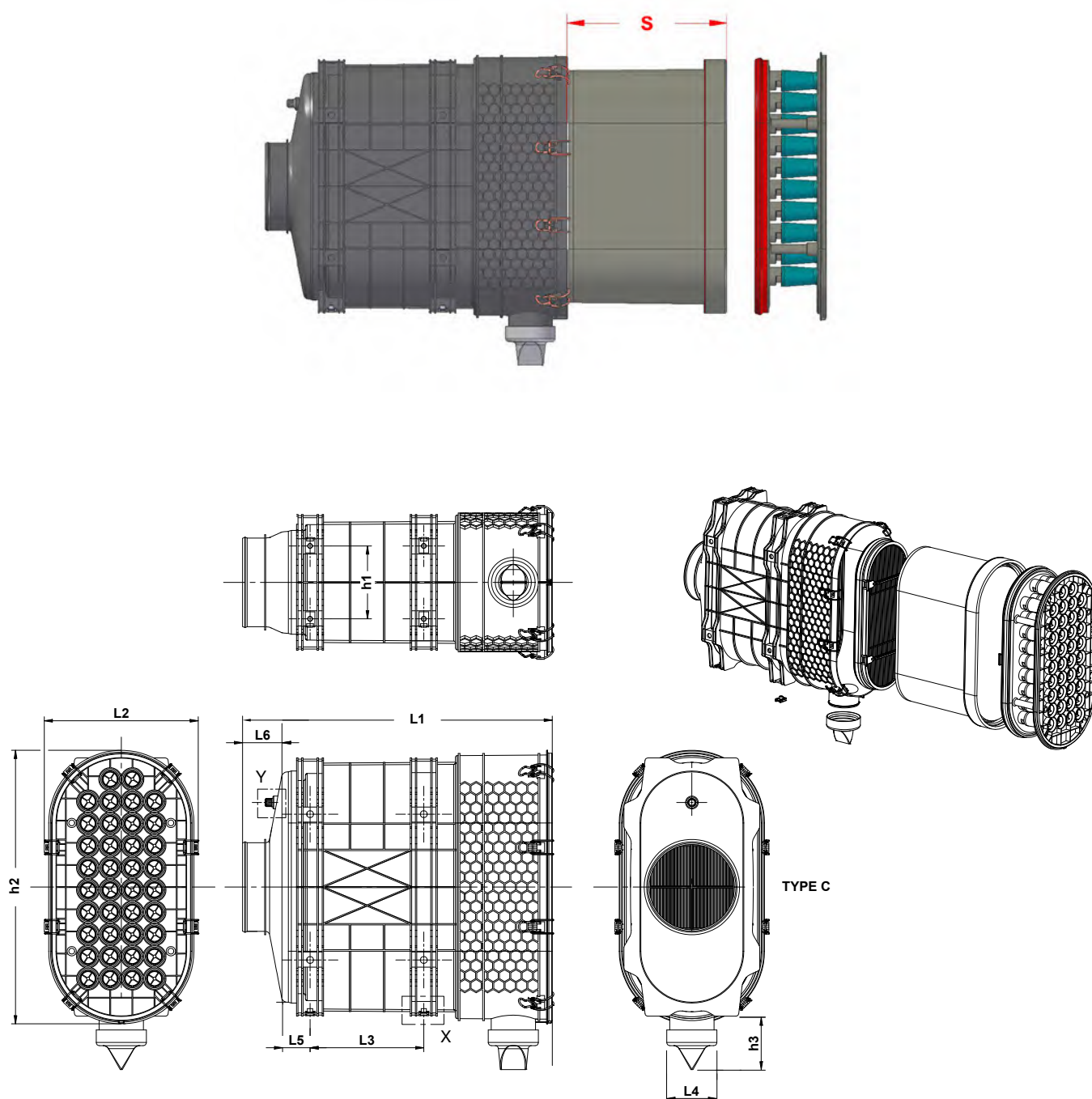
The nominal air flow has been calculated at 200 mm H2O of pressure drop.



Properties:

- Vertical and horizontal versions
- Integrated high-efficiency multi-cyclone pre-cleaner
- Two-Stage filtration – axial airflow
- High airflow capacity and maximum filter lifetime
- Low space requirement through oval design
- Integrated mounting brackets on two sides of the body
- Works with or without active dust extraction (Scavenging)
- Increased performance with active dust extraction (Scavenging)
- Integrated connector plug for maintenance switch Sentinel
- Operating temperature from -35°C to +85°C with peaks of +100°C
- Volume flow range from 2 m³/min to 12 m³/min (20mbar)





Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Air flow m³/min	Main elementst	Safety elements	Type	Dimensions in mm										
						d1	L1	L2	L3	L4	L5	L6	h1	h2	h3	S
15	FJ15-20521C0	18,4	CH15-2050400	PSC15-2049700	C	152	531	264	195	90	47	68,5	125	469	91,5	275

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





**New version of 8" JoktoPur
with dedicated air inlet adapter
coming soon!**



VikoSeal

Two-stage air filter with a plastic housing



VikoSeal air cleaners have an high dust holding capacity performance and low restriction. It is easy to service offering vertical a horizontal mounting with a large range of accessories.

The filter elements (safety and main) have been developed with top quality raw materials and reliable radial seal technology. No tools are necessary to fit the elements keeping a perfect seal.

The safety element, which Longday always suggest to use, can be used mostly for the engine protection over the main element service.

Specifications:

- Compact shape
- Light weight
- Strong
- Installation both horizontal and vertical
- Tools free service
- Large accessories range
- Working temperature - 35 °C + 85 °C with peaks + 100 °C
- Air flow range from 1.7 to 30 m³ / min
- 2 position for the indicator even on the rubber elbow

Applications

VikoSeal air cleaners are used for aspirated air on:

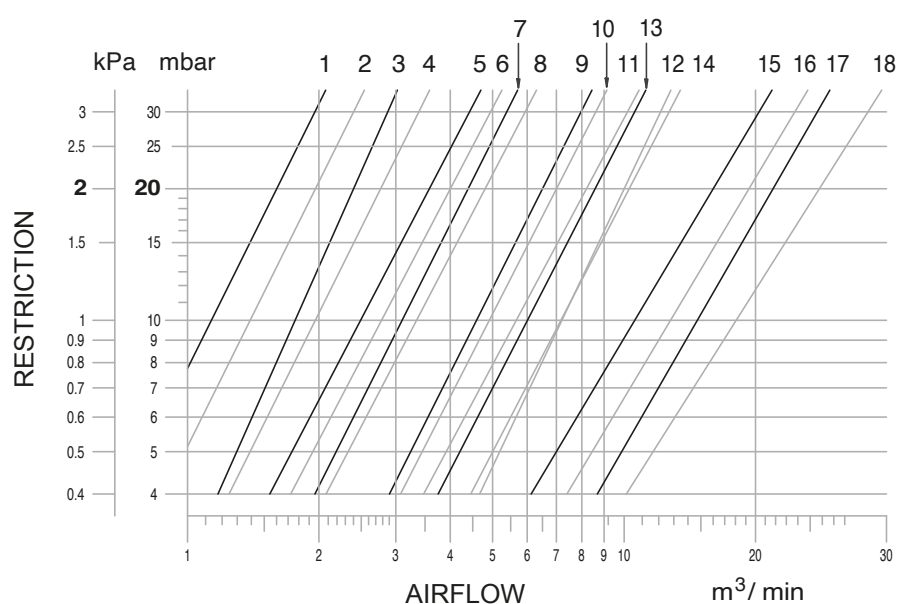
- Earth moving machine
- Tractors
- Compressors
- Lift truck
- Generator sets
- Pumps
- Construction equipment
- Industrial equipment
- Mining equipment



Plastic air filters FR series



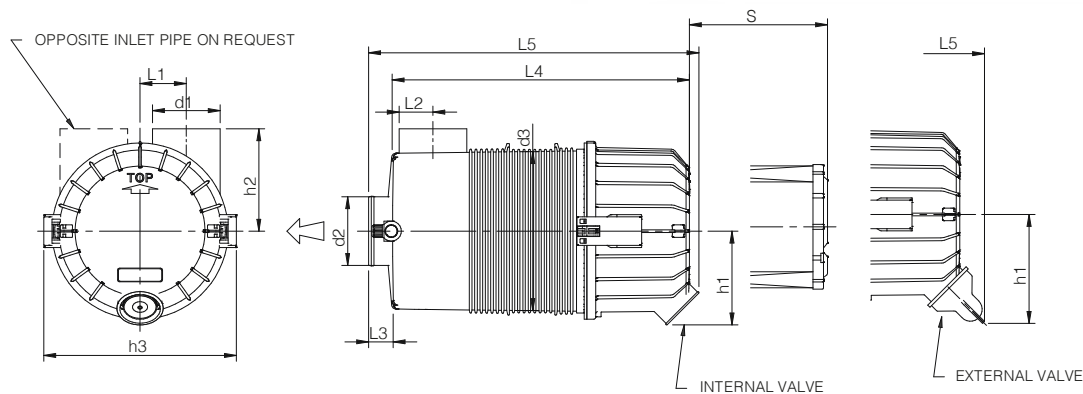
Airflow restriction curves



Curves	Reference
1	FR04-1440020
2	FR04-1440000
3	FR05-1441520
4	FR05-1441500
5	FR06-1604920
6	FR06-1604900
7	FR07-1414720
8	FR07-1414700
9	FR08-1439820
10	FR08-1439800
11	FR09-1672820
12	FR09-1672800
13	FR10-1537020
14	FR10-1537000
15	FR12-1642420
16	FR12-1642400
17	FR15-1657520
18	FR15-1657500



Plastic air filters FR series



Technical Data

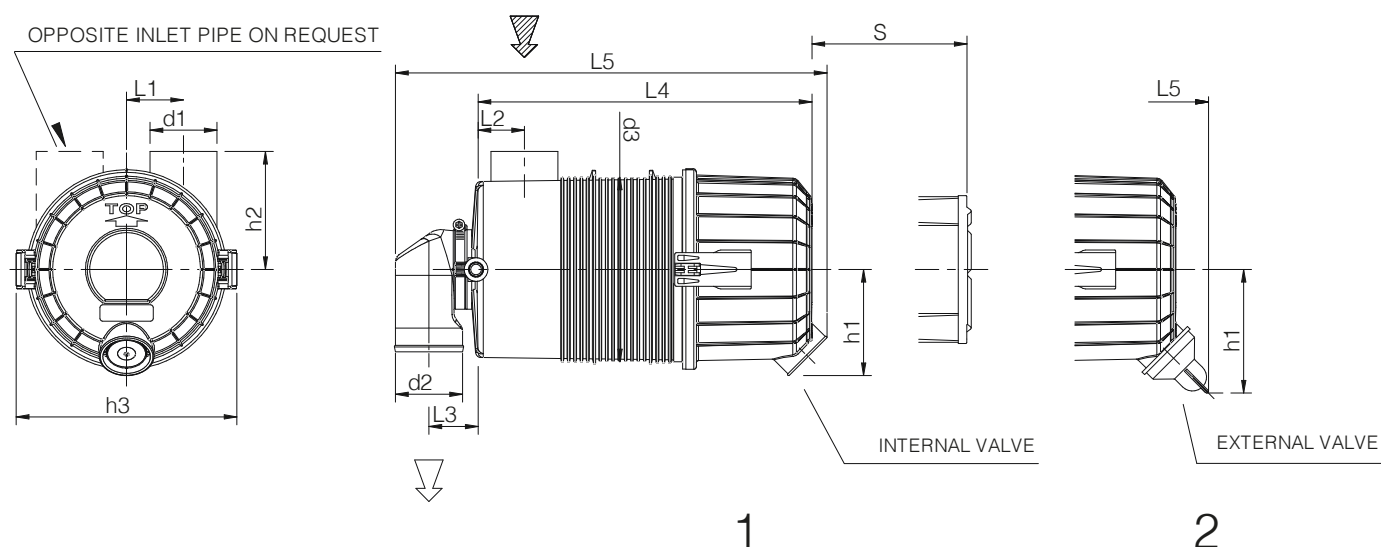
TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Type	Air flow m³/min	Main elements	Safety elements	Dimensions in mm											S
						d1	d2	d3	L1	L2	L3	L4	L5	h1	h2	h3	
4	FR04-1772800	1	2,1	CH04-1441200		44	44	122	38,5	35	25	190	228	76	83	153	150
	FR04-1772820	1	1,7	CH04-1441200	ST04-1517000	44	44	122	38,5	35	25	190	228	76	83	153	150
	FR04-17728A0	2	2,1	CH04-1441200		44	44	122	38,5	35	25	190	228	81	83	153	150
	FR04-17728C0	2	1,7	CH04-1441200	ST04-1517000	44	44	122	38,5	35	25	190	228	81	83	153	150
	FR04-1440000	1	2,1	CH04-1441200		50	44	122	38	32	25	190	228	76	83	153	150
	FR04-1440020	1	1,7	CH04-1441200	ST04-1517000	50	44	122	38	32	25	190	228	76	83	153	150
	FR04-14400A0	2	2,1	CH04-1441200		50	44	122	38	32	25	190	233	81	83	153	150
5	FR04-14400C0	2	1,7	CH04-1441200	ST04-1517000	50	44	122	38	32	25	190	233	81	83	153	150
	FR05-1441505	1	3	CH05-1440900		51	51	146	45	42	25	302	340	87	100	180	270
	FR05-1441520	1	2,7	CH05-1440900	ST05-1440200	51	51	146	45	42	25	302	340	87	100	180	270
	FR05-14415A0	2	3	CH05-1440900		51	51	146	45	42	25	302	357	107	100	180	270
6	FR05-14415C0	2	2,7	CH05-1440900	ST05-1440200	51	51	146	45	42	25	302	357	107	100	180	270
	FR06-1604900	1	4,1	CH06-1605000		63,5	63,5	175	54	44	28	317	359	100	112	207	280
	FR06-1604920	1	3,9	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	28	317	359	100	112	207	280
	FR06-16049A0	2	4,1	CH06-1605000		63,5	63,5	175	54	44	28	317	373	116	112	207	280
7	FR06-16049C0	2	3,9	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	28	317	373	116	112	207	280
	FR07-1414700	1	5	CH07-1407400		76	76	184	52	44	25	332	370	105	115	218	300
	FR07-1414720	1	4,5	CH07-1407400	ST07-1427000	76	76	184	52	44	25	332	370	105	115	218	300
	FR07-14147A0	2	5	CH07-1407400		76	76	184	52	44	25	332	387	125	115	218	300
8	FR07-14147C0	2	4,5	CH07-1407400	ST07-1427000	76	76	184	52	44	25	332	387	125	115	218	300
	FR08-1439800	1	7,6	CH08-1441000		95	89	212	56	53	25	357	397	119	130	247	320
	FR08-1439820	1	6,7	CH08-1441000	ST08-1441300	95	89	212	56	53	25	357	397	119	130	247	320
	FR08-14398A0	2	7,6	CH08-1441000		95	89	212	56	53	25	357	414	139	130	247	320
9	FR08-14398C0	2	6,7	CH08-1441000	ST08-1441300	95	89	212	56	53	25	357	414	139	130	247	320
	FR09-1672800	1	10,6	CH09-1672900		114	101	242	60	62	38	399	454	139	170	276	360
	FR09-1672820	1	9,3	CH09-1672900	ST09-1673100	114	101	242	60	62	38	399	454	139	170	276	360
	FR09-16728A0	2	10,6	CH09-1672900		114	101	242	60	62	38	399	470	155	170	276	360
10	FR09-16728C0	2	9,3	CH09-1672900	ST09-1673100	114	101	242	60	62	38	399	470	155	170	276	360
	FR10-1537000	1	12,1	CH10-1537100		114	101	268	75	64	41	425	486	152	185	302	385
	FR10-1537020	1	10	CH10-1537100	ST10-1538000	114	101	268	75	64	41	425	486	152	185	302	385
	FR10-15370A0	2	12,1	CH10-1537100		114	101	268	75	64	41	425	502	168	185	302	385
12	FR10-15370C0	2	10	CH10-1537100	ST10-1538000	114	101	268	75	64	41	425	502	168	185	302	385
	FR12-1642400	1	21,4	CH12-1641800		152	127	309	80	83	35	500	560	173	204	344	460
	FR12-1642420	1	16,7	CH12-1641800	ST12-1641900	152	127	309	80	83	35	500	560	173	204	344	460
	FR12-16424A0	2	21,4	CH12-1641800		152	127	309	80	83	35	500	560	189	204	344	460
15	FR12-16424C0	2	16,7	CH12-1641800	ST12-1641900	152	127	309	80	83	35	500	560	189	204	344	460
	FR15-1657500	1	30	CH15-1629400		178	152	394	105	121	42	530	545	212	245	427	490
	FR15-1657520	1	25,3	CH15-1629400	ST15-1630100	178	152	394	105	121	42	530	545	212	245	427	490
	FR15-16575A0	2	30	CH15-1629400		178	152	394	105	121	42	530	602	229	245	427	490
15	FR15-16575C0	2	25,3	CH15-1629400	ST15-1630100	178	152	394	105	121	42	530	602	229	245	427	490

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



Plastic air filters FR series with Elbow



Technical Data

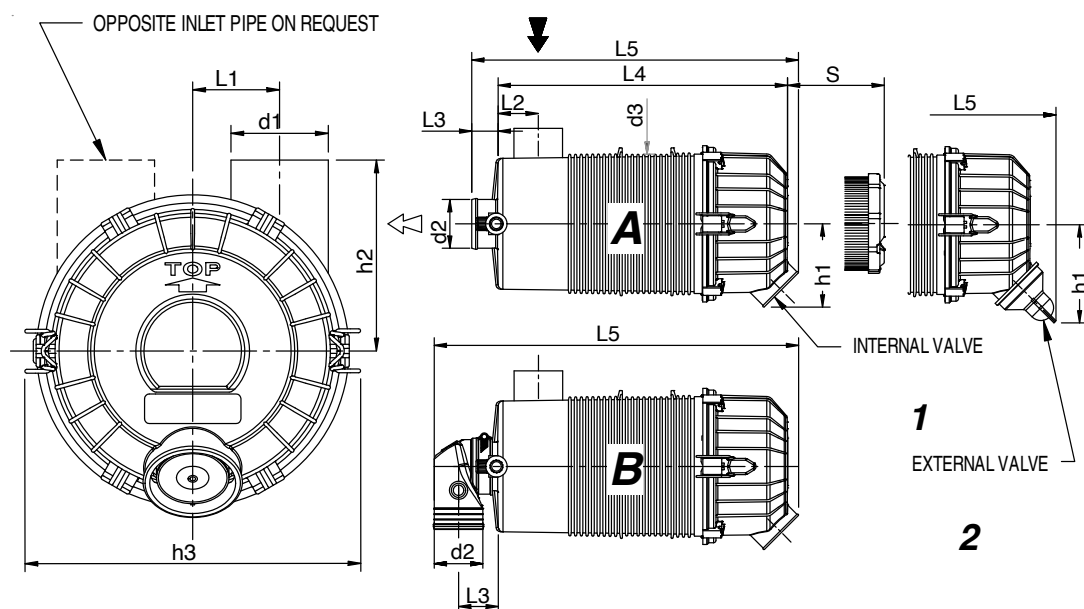
TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Type	Air flow m³/min	Main elements	Safety elements	Dimensions in mm											S
						d1	d2	d3	L1	L2	L3	L4	L5	h1	h2	h3	
4	FR04-1773100	1	1,8	CH04-1441200		44	44	122	38,5	35	39	190	265	76	83	153	150
	FR04-1773120	1	1,6	CH04-1441200	ST04-1517000	44	44	122	38,5	35	39	190	265	76	83	153	150
	FR04-17731A0	2	1,8	CH04-1441200		44	44	122	38,5	35	39	190	285	81	83	153	150
	FR04-17731C0	2	1,6	CH04-1441200	ST04-1517000	44	44	122	38,5	35	39	190	285	81	83	153	150
	FR04-1614200	1	1,8	CH04-1441200		50	44	122	38	32	39	190	265	76	83	153	150
	FR04-1614220	1	1,6	CH04-1441200	ST04-1517000	50	44	122	38	32	39	190	265	76	83	153	150
	FR04-16142A0	2	1,8	CH04-1441200		50	44	122	38	32	39	190	285	81	83	153	150
5	FR04-16142C0	2	1,6	CH04-1441200	ST04-1517000	50	44	122	38	32	39	190	285	81	83	153	150
	FR05-1614400	1	2,6	CH05-1440900		51	51	146	45	42	40	302	380	87	100	180	270
	FR05-1614420	1	2,3	CH05-1440900	ST05-1440200	51	51	146	45	42	40	302	380	87	100	180	270
	FR05-16144A0	2	2,6	CH05-1440900		51	51	146	45	42	40	302	400	107	100	180	270
6	FR05-16144C0	2	2,3	CH05-1440900	ST05-1440200	51	51	146	45	42	40	302	400	107	100	180	270
	FR06-1614500	1	3,7	CH06-1605000		63,5	63,5	175	54	44	49	317	412	100	112	207	280
	FR06-1614520	1	3,5	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	49	317	412	100	112	207	280
	FR06-16145A0	1	3,7	CH06-1605000		63,5	63,5	175	54	44	49	317	432	116	112	207	280
7	FR06-16145C0	1	3,5	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	49	317	432	116	112	207	280
	FR07-1614800	1	4,9	CH07-1407400		76	76	184	52	44	48	332	432	105	115	218	300
	FR07-1614820	1	4,2	CH07-1407400	ST07-1427000	76	76	184	52	44	48	332	432	105	115	218	300
	FR07-16148A0	2	4,9	CH07-1407400		76	76	184	52	44	48	332	452	125	115	218	300
8	FR07-16148C0	2	4,2	CH07-1407400	ST07-1427000	76	76	184	52	44	48	332	452	125	115	218	300
	FR08-1615000	1	6	CH08-1441000		95	89	212	56	53	59,5	357	470	119	130	247	320
	FR08-1615020	1	5,3	CH08-1441000	ST08-1441300	95	89	212	56	53	59,5	357	470	119	130	247	320
	FR08-16150A0	2	6	CH08-1441000		95	89	212	56	53	59,5	357	490	139	130	247	320
9	FR08-16150C0	2	5,3	CH08-1441000	ST08-1441300	95	89	212	56	53	59,5	357	490	139	130	247	320
	FR09-1677000	1	8,7	CH09-1672900		114	89	242	60	60	69	399	535	139	170	276	360
	FR09-1677020	1	8	CH09-1672900	ST09-1673100	114	89	242	60	60	69	399	535	139	170	276	360
	FR09-16770A0	2	8,7	CH09-1672900		114	89	242	60	60	69	399	550	155	170	276	360
10	FR09-16770C0	2	8	CH09-1672900	ST09-1673100	114	89	242	60	60	69	399	550	155	170	276	360
	FR10-1615100	1	10	CH10-1537100		114	101	268	75	64	70	425	565	152	185	302	385
	FR10-1615120	1	8	CH10-1537100	ST10-1538000	114	101	268	75	64	70	425	565	152	185	302	385
	FR10-16151A0	2	10	CH10-1537100		114	101	268	75	64	70	425	585	168	185	302	385
10	FR10-16151C0	2	8	CH10-1537100	ST10-1538000	114	101	268	75	64	70	425	585	168	185	302	385

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



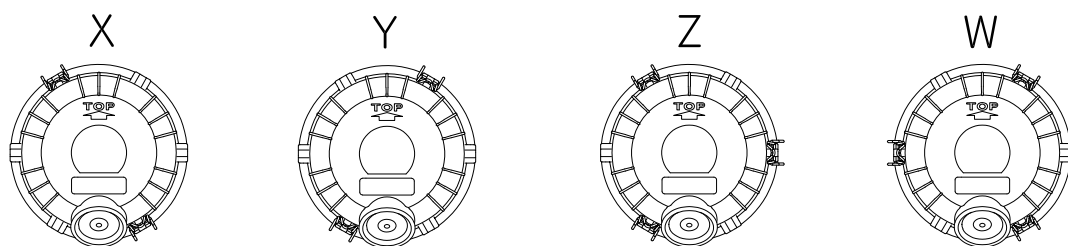
Plastic air cleaner FR series with metallic clamps



Advantages

Differently from the VikoSeal standard series these filters give the opportunity to shift the locks of the cover according to the specific application.

CLAMPS POSITION OPTION



Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Type	Valve	Air flow m ³ /min	Main elements	Safety elements	Dimensions in mm											S
							d1	d2	d3	L1	L2	L3	L4	L5	h1	h2	h3	
4	FR04-1773300	A	1	2,1	CH04-1441200		44	44	122	38,5	35	25	190	228	76	83	155	150
	FR04-1773320	A	1	1,7	CH04-1441200	ST04-1517000	44	44	122	38,5	35	25	190	228	76	83	155	150
	FR04-17733A0	A	2	2,1	CH04-1441200		44	44	122	38,5	35	25	190	233	81	83	155	150
	FR04-17733C0	A	2	1,7	CH04-1441200	ST04-1517000	44	44	122	38,5	35	25	190	233	81	83	155	150
	FR04-1756800	A	1	2,1	CH04-1441200		50	44	122	38	32	25	190	228	76	83	155	150
	FR04-1756820	A	1	1,7	CH04-1441200	ST04-1517000	50	44	122	38	32	25	190	228	76	83	155	150
	FR04-17568A0	A	2	2,1	CH04-1441200		50	44	122	38	32	25	190	233	81	83	155	150
	FR04-17568C0	A	2	1,7	CH04-1441200	ST04-1517000	50	44	122	38	32	25	190	233	81	83	155	150
5	FR05-1699300	A	1	3	CH05-1440900		51	51	146	45	42	25	302	340	87	100	178	270
	FR05-1699320	A	1	2,7	CH05-1440900	ST05-1440200	51	51	146	45	42	25	302	340	87	100	178	270
	FR05-16993A0	A	2	3	CH05-1440900		51	51	146	45	42	25	302	357	107	100	178	270
	FR05-16993C0	A	2	2,7	CH05-1440900	ST05-1440200	51	51	146	45	42	25	302	357	107	100	178	270
	FR05-1799500	A	1	3,5	CH05-1588700		51	57	146	45	42	28	276	315	87	100	178	270
	FR05-1799520	A	1	3	CH05-1588700	ST05-1610800	51	57	146	45	42	28	276	315	87	100	178	270
	FR05-17995A0	A	2	3,5	CH05-1588700		51	57	146	45	42	28	276	331	107	100	178	270
	FR05-17995C0	A	2	3	CH05-1588700	ST05-1610800	51	57	146	45	42	28	276	331	107	100	178	270
6	FR06-1699100	A	1	4,1	CH06-1605000		63,5	63,5	175	54	44	28	317	359	100	112	205	280
	FR06-1699120	A	1	3,9	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	28	317	359	100	112	205	280
	FR06-16991A0	A	2	4,1	CH06-1605000		63,5	63,5	175	54	44	28	317	373	116	112	205	280
	FR06-16991C0	A	2	3,9	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	28	317	373	116	112	205	280
7	FR07-1739200	A	1	5	CH07-1407400		76	76	184	52	44	25	332	370	105	115	215	300
	FR07-1739220	A	1	4,5	CH07-1407400	ST07-1427000	76	76	184	52	44	25	332	370	105	115	215	300
	FR07-17392A0	A	2	5	CH07-1407400		76	76	184	52	44	25	332	387	125	115	215	300
	FR07-17392C0	A	2	4,5	CH07-1407400	ST07-1427000	76	76	184	52	44	25	332	387	125	115	215	300
4	FR04-1772900	B	1	1,8	CH04-1441200		44	44	122	38,5	35	39	190	265	76	83	155	150
	FR04-1772920	B	1	1,6	CH04-1441200	ST04-1517000	44	44	122	38,5	35	39	190	265	76	83	155	150
	FR04-17729A0	B	2	1,8	CH04-1441200		44	44	122	38,5	35	39	190	285	81	83	155	150
	FR04-17729C0	B	2	1,6	CH04-1441200	ST04-1517000	44	44	122	38,5	35	39	190	285	81	83	155	150
	FR04-1757000	B	1	1,8	CH04-1441200		50	44	122	38	32	39	190	265	76	83	155	150
	FR04-1757020	B	1	1,6	CH04-1441200	ST04-1517000	50	44	122	38	32	39	190	265	76	83	155	150
	FR04-17570A0	B	2	1,8	CH04-1441200		50	44	122	38	32	39	190	285	81	83	155	150
	FR04-17570C0	B	2	1,6	CH04-1441200	ST04-1517000	50	44	122	38	32	39	190	285	81	83	155	150
5	FR05-1699800	B	1	2,6	CH05-1440900		51	51	146	45	42	25	302	380	87	100	178	270
	FR05-1699820	B	1	2,3	CH05-1440900	ST05-1440200	51	51	146	45	42	25	302	380	87	100	178	270
	FR05-16998A0	B	2	2,6	CH05-1440900		51	51	146	45	42	40	302	400	107	100	178	270
	FR05-16998C0	B	2	2,3	CH05-1440900	ST05-1440200	51	51	146	45	42	40	302	400	107	100	178	270
	FR05-1798100	B	1	2,8	CH05-1588700		51	51	146	45	42	41	276	350	107	100	178	270
	FR05-1798120	B	1	2,5	CH05-1588700	ST05-1610800	51	51	146	45	42	41	276	350	107	100	178	270
	FR05-17981A0	B	2	2,8	CH05-1588700		51	51	146	45	42	41	276	370	107	100	178	270
	FR05-17981C0	B	2	2,5	CH05-1588700	ST05-1610800	51	51	146	45	42	41	276	370	107	100	178	270
6	FR06-1700000	B	1	3,7	CH06-1605000		63,5	63,5	175	51,5	44	49	314	412	114	112	205	280
	FR06-1700020	B	1	3,5	CH06-1605000	ST06-1605400	63,5	63,5	175	51,5	44	49	314	412	114	112	205	280
	FR06-17000A0	B	2	3,7	CH06-1605000		63,5	63,5	175	51,5	44	49	317	432	121	112	205	280
	FR06-17000C0	B	2	3,5	CH06-1605000	ST06-1605400	63,5	63,5	175	51,5	44	49	317	432	121	112	205	280
7	FR07-1739400	B	1	4,9	CH07-1407400		76	76	184	52	44	48	332	432	105	115	215	300
	FR07-1739420	B	1	4,2	CH07-1407400	ST07-1427000	76	76	184	52	44	48	332	432	105	115	215	300
	FR07-17394A0	B	2	4,9	CH07-1407400		76	76	184	52	44	48	332	452	125	115	215	300
	FR07-17394C0	B	2	4,2	CH07-1407400	ST07-1427000	76	76	184	52	44	48	332	452	125	115	215	300

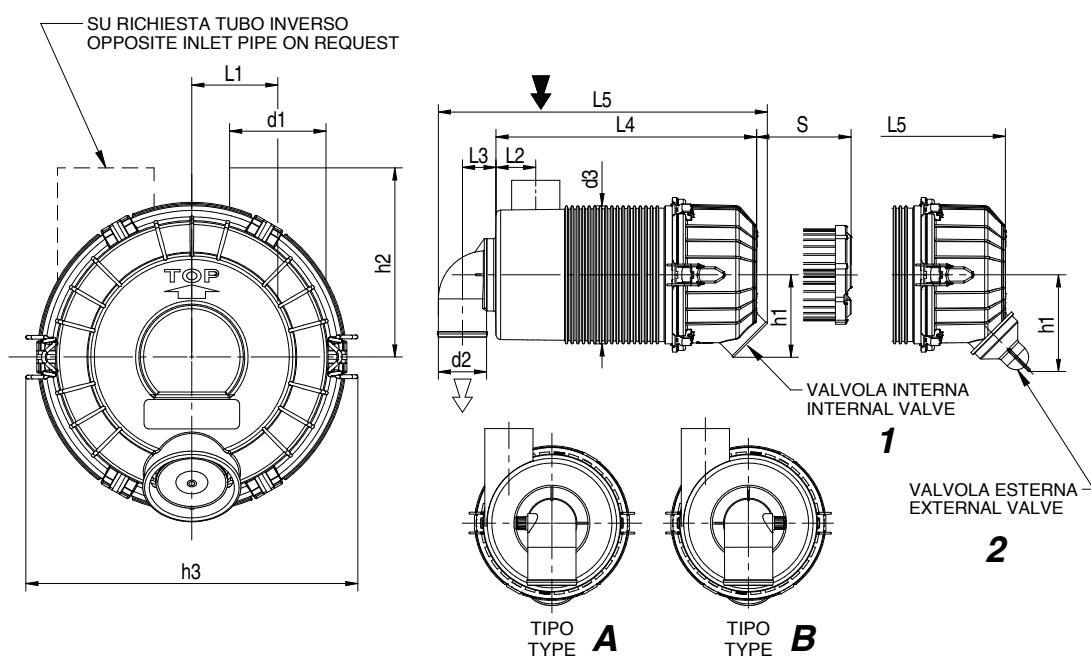
The nominal air flow has been calculated at 200 mm H2O of pressure drop.



Plastic air cleaner FR series with integrated plastic bend

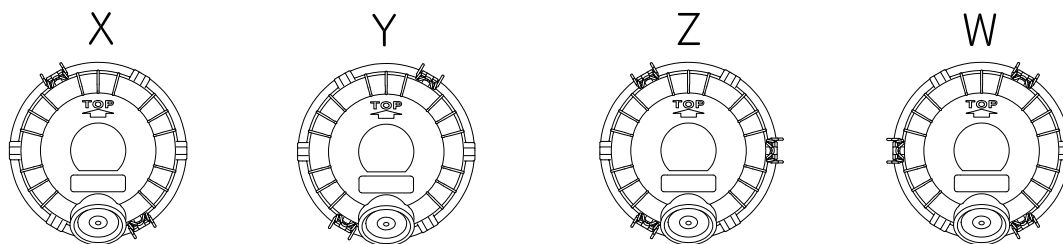
Advantages

This type of filter has an integrated 90° plastic bend, this can rotate 360° thus adapting to the installation needs, the indicator attachment is included in the bend.



STANDARD POSITION N° 2 METAL HOOKS

POSSIBLE POSITIONS OF METAL HOOKS ON REQUEST



Technical Data

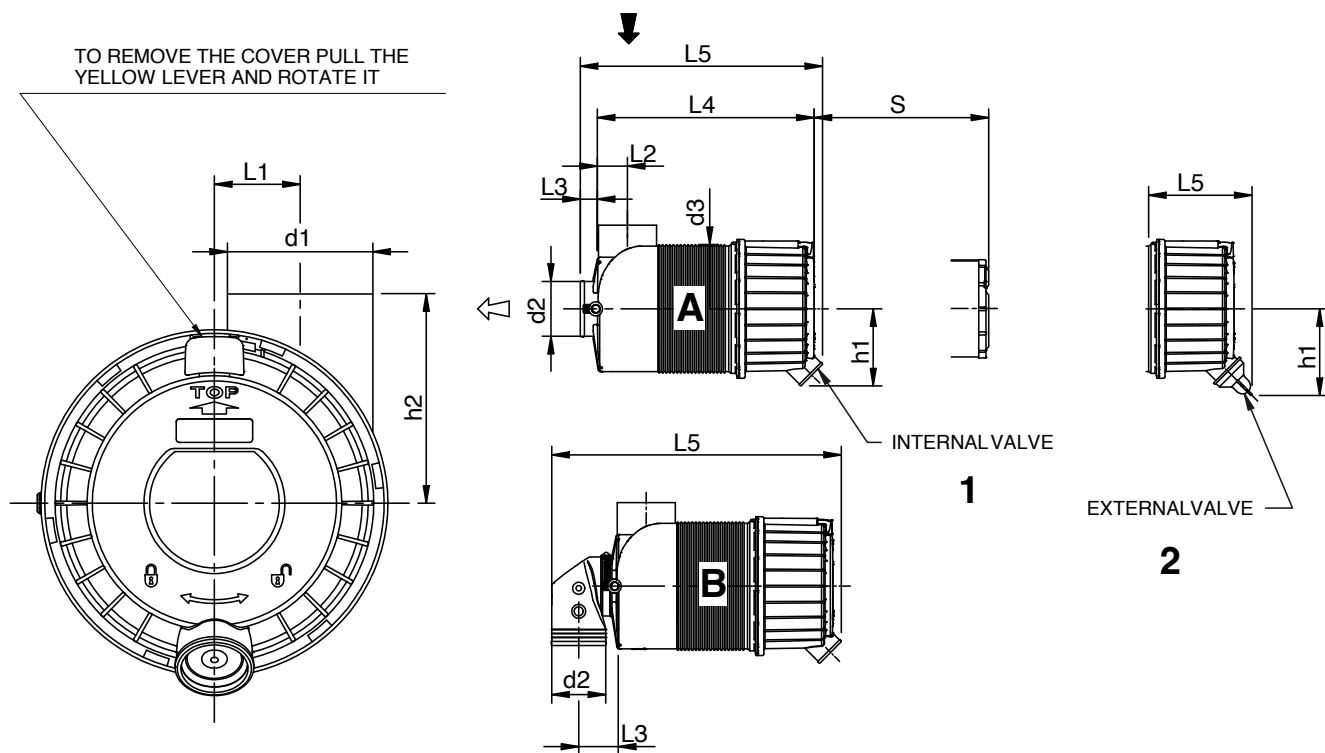
TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Type	Valve	Air flow m³/min	Main elements	Safety elements	Dimensions in mm											S
							d1	d2	d3	L1	L2	L3	L4	L5	h1	h2	h3	
FR04	FR04-2079800	A	1	1,6	CH04-1441200		44	44	122	38,5	35	31,5	190	256	76	83	155	150
	FR04-2079820	A	1	1,4	CH04-1441200	ST04-1517000	44	44	122	38,5	35	31,5	190	256	76	83	155	150
	FR04-20798A0	A	2	1,6	CH04-1441200		44	44	122	38,5	35	31,5	190	269	83	83	155	150
	FR04-20798C0	A	2	1,4	CH04-1441200	ST04-1517000	44	44	122	38,5	35	31,5	190	269	83	83	155	150
	FR04-2092100	B	1	1,6	CH04-1441200		44	44	122	38,5	35	31,5	190	256	76	83	155	150
	FR04-2092120	B	1	1,4	CH04-1441200	ST04-1517000	44	44	122	38,5	35	31,5	190	256	76	83	155	150
	FR04-20921A0	B	2	1,6	CH04-1441200		44	44	122	38,5	35	31,5	190	269	83	83	155	150
	FR04-20921C0	B	2	1,4	CH04-1441200	ST04-1517000	44	44	122	38,5	35	31,5	190	269	83	83	155	150
FR05	FR05-2069000	A	1	2,4	CH05-1588700		51	51	146	45	42	35	276	348	87	100	178	270
	FR05-2069020	A	1	2,2	CH05-1588700	ST05-1610800	51	51	146	45	42	35	276	348	87	100	178	270
	FR05-20690A0	A	2	2,4	CH05-1588700		51	51	146	45	42	35	276	372	111	100	178	270
	FR05-20690C0	A	2	2,2	CH05-1588700	ST05-1610800	51	51	146	45	42	35	276	372	111	100	178	270
	FR05-1894500	B	1	2,4	CH05-1588700		51	51	146	45	42	35	276	348	87	100	178	270
	FR05-1894520	B	1	2,2	CH05-1588700	ST05-1610800	51	51	146	45	42	35	276	348	87	100	178	270
	FR05-18945A0	B	2	2,4	CH05-1588700		51	51	146	45	42	35	276	372	111	100	178	270
	FR05-18945C0	B	2	2,2	CH05-1588700	ST05-1610800	51	51	146	45	42	35	276	372	111	100	178	270

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



Plastic air filters FR series Compact Lock



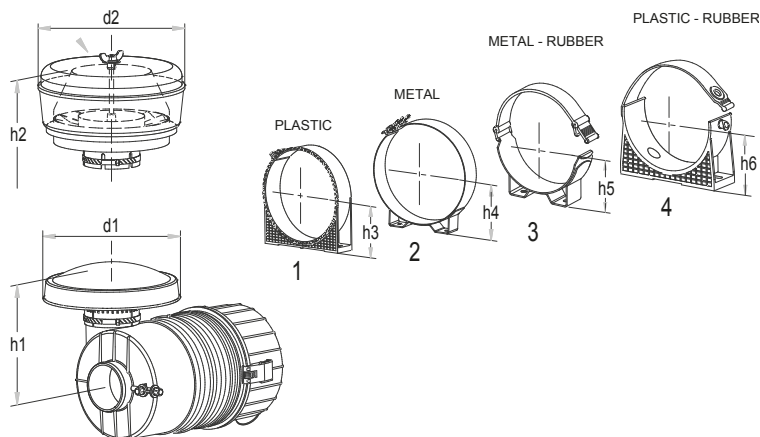
Technical Data

TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Inch	Code	Type	Valve	Air flow m³/min	Main elements	Safety elements	Dimensions in mm											S
							d1	d2	d3	L1	L2	L3	L4	L5	h1	h2	h3	
8	FR08-1726900	A	1	6,6	CH08-1441000		96	90,6	212	56,5	49	28,5	357	400	127	138	320	150
	FR08-1726920	A	1	6	CH08-1441000	ST08-1441300	96	90,6	212	56,5	49	28,5	357	400	127	138	320	150
	FR08-17269A0	A	2	6,6	CH08-1441000		96	90,6	212	56,5	49	28,5	357	416	143	138	320	150
	FR08-17269C0	A	2	6	CH08-1441000	ST08-1441300	96	90,6	212	56,5	49	28,5	357	416	143	138	320	150
	FR08-1787100	B	1	5,6	CH08-1441000		96	89	212	56,5	49	65	357	478	127	138	320	150
	FR08-1787120	B	1	5	CH08-1441000	ST08-1441300	96	89	212	56,5	49	65	357	478	127	138	320	150
	FR08-17871A0	B	2	5,6	CH08-1441000		96	89	212	56,5	49	65	357	494	143	138	320	150
	FR08-17871C0	B	2	5	CH08-1441000	ST08-1441300	96	89	212	56,5	49	65	357	494	143	138	320	150



How to choose Air filter FR series accessories - VikoSeal



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.

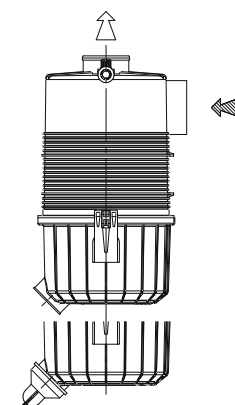
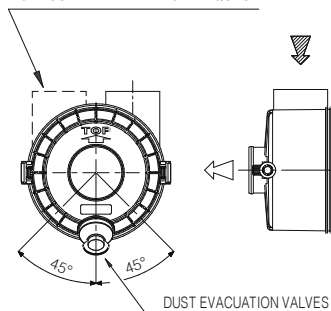
For more details regarding selection of pre-cleaners see page 49 with Vortex chapter.

Air filter	Cap	Precleaner	Plastic mounting band		Metal mounting band		Dimensions in mm							
			Standard (1)	Quick release (4)	Standard (2)	Quick release (3)	d1	d2	h1	h2	h3	h4	h5	h6
FR04-17728..	CP-1445400	CT-1298200	CF04-1536200	CF04-1652400	CF04-1441700	-	133	143	138	195	76	78	-	76
FR04-17731..	CP-1445400	CT-1298200	CF04-1536200	CF04-1652400	CF04-1441700	-	133	143	138	195	76	78	-	76
FR04-17733..	CP-1445400	CT-1298200	CF04-1536200	CF04-1652400	CF04-1441700	-	133	143	138	195	76	78	-	76
FR04-14400..	CP-1110500	CT-1119300	CF04-1536200	CF04-1652400	CF04-1441700	-	133	143	138	195	76	78	-	76
FR04-16142..	CP-1110500	CT-1119300	CF04-1536200	CF04-1652400	CF04-1441700	-	133	143	138	195	76	78	-	76
FR05-14415..	CP-1110500	CT-1119300	CF05-1536300	CF05-1694400	CF05-1445000	CF05-1606200	133	143	154	205	90	90	90	90
FR05-16144..	CP-1110500	CT-1119300	CF05-1536300	CF05-1694400	CF05-1445000	CF05-1606200	133	143	154	205	90	90	90	90
FR06-16049..	CP-1107300	CT-1119200	CF06-1604800	CF06-1695000	CF06-1718000	CF06-1652500	152	143	169	216	101	101	101	101
FR06-16145..	CP-1107300	CT-1119200	CF06-1604800	CF06-1695000	CF06-1718000	CF06-1652500	152	143	169	216	101	101	101	101
FR07-14147..	CP-1103100	CT-1128300	CF07-1532200	CF07-1695300	CF07-1417200	CF07-1606500	180	173	175	236	107	106	106	107
FR07-16148..	CP-1103100	CT-1128300	CF07-1532200	CF07-1695300	CF07-1417200	CF07-1606500	180	173	175	236	107	106	106	107
FR08-14398..	CP-1508700	CT-1105000	CF08-1536400	CF08-1696800	CF08-1440300	CF08-1589400	250	270	212	295	122	120	120	122
FR08-16150..	CP-1508700	CT-1105000	CF08-1536400	CF08-1696800	CF08-1440300	CF08-1589400	250	270	212	295	122	120	120	122
FR08-17269..	CP-1508700	CT-1105000	CF08-1536400	CF08-1696800	CF08-1440300	CF08-1589400	250	270	212	295	122	120	120	122
FR08-17871..	CP-1508700	CT-1105000	CF08-1536400	CF08-1696800	CF08-1440300	CF08-1589400	250	270	212	295	122	120	120	122
FR09-16728..	CP-1510000	CT-1145400	CF09-1672700	-	-	-	250	270	245	320	138	-	-	-
FR09-16770..	CP-1510000	CT-1145400	CF09-1672700	-	-	-	250	270	245	320	138	-	-	-
FR10-15370..	CP-1510000	CT-1145400	-	-	CF10-1536600	CF10-1590000	250	270	260	336	-	148	148	-
FR10-16151..	CP-1510000	CT-1145400	-	-	CF10-1536600	CF10-1590000	250	270	260	336	-	148	148	-
FR12-16424..	CP-1580000	CT-1320900	-	-	CF12-1647000	-	360	306	299	369	-	184	-	-
FR15-16575..	CP-1686500	CT-1595300	-	-	CF15-1657800	-	385	406	365	467	-	203	-	-

Mounting

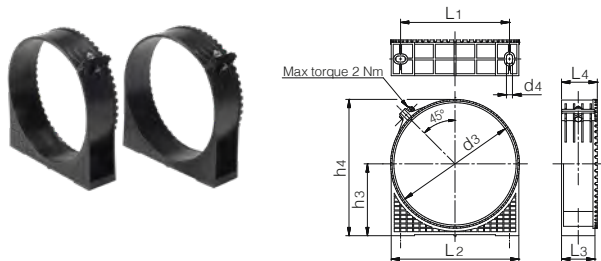
The dust evacuation valve position permit the horizontal and vertical installation of the air cleaner, with the horizontal position the evacuator valve can be rotate until 45° from the vertical line keeping the right operating.

OPPOSITE INLET PIPE ON REQUEST



Mounting brackets

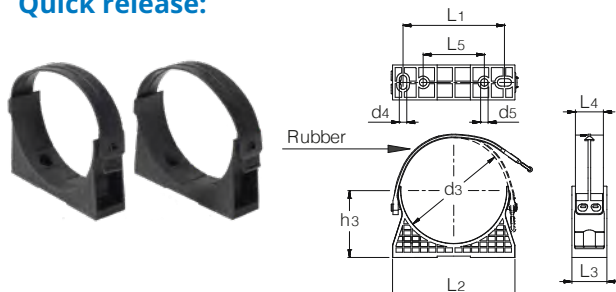
Plastic brackets:



TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

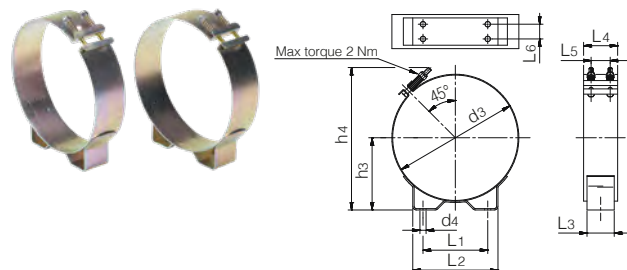
Code	Dimensions in mm							
	d3	d4	L1	L2	L3	L4	h3	h4
CF04-1536200	121	16x8,5	116	140	40	43,5	76,5	142
CF05-1536300	145	16x8,5	136	160	50,5	54	90	167
CF06-1604800	175	16x8,5	153,5	182	50,5	54	101,5	196
CF07-1532200	183	16x8,5	163	191	50,5	54	107,5	204
CF08-1536400	212	16x8,5	190	220	50,5	54	122	233
CF09-1672700	244,5	16x8,5	143,5	175	50	50	138,5	265
CF10-1536500 *	268	18x11	226	277	80	83,5	150	290,5

Quick release:



Code	Dimensions in mm								
	d3	d4	d5	L1	L2	L3	L4	L5	h3
CF04-1652400	121	16x8,5	8,5	116	140	40	32	70	76,5
CF05-1694400	144	16x8,5	8,5	136	160	50	32	80	90
CF06-1695000	175	16x8,5	12,5x8,5	153	182	50	38	90	101
CF06-1837000	175	-	12,5x8,5	-	120	50,5	38	90	101
CF07-1695300	183	16x8,5	8,5	163	190	50	38	95	107
CF08-1696800	212	16x8,5	8,5	190	220	50	38	110	122
CF09-1696600 *	242	24x8,5	8,5	190	230	50	38	143	137

Metal brackets:



TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Code	Dimensions in mm									
	d3	d4	L1	L2	L3	L4	L5	L6	h3	h4
CF04-1441700	122	9	70	100	40	40	-	-	78	160
CF05-1445000	146	9	80	110	40	50	-	-	90	180
CF06-1652600	175	9	153,5	177,5	40	50	28	-	102	202
CF06-1718000	175	9	90	121	40	50	28	-	102	202
CF07-1417200	184	9	95	125	40	50	28	-	106	209
CF08-1440300	212	9	110	140	40	50	28	-	120	232
CF10-1536600	268	11	127	160	60	80	55	-	148	280,5
CF12-1647000	309	10,5	152	185	80	80	55	50	184	331
CF15-1657800	394	11	203	240	100	109	81	70	203	380,6

* Delivery times to be agreed

Only one mounting band needed for air cleaner

Mounting bracket holder welded directly to the filter housing



Welded bracket is an option available for OEM projects.

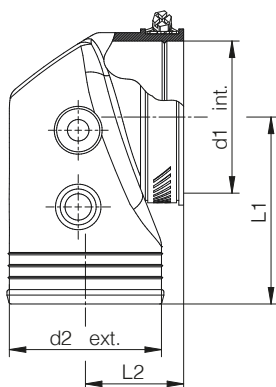
Chosen combination of a filter housing and a welded bracket will have a specific part number dedicated to the Customer.

This solution provides savings on assembly and protects the after sales.

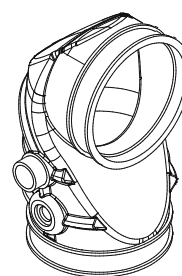
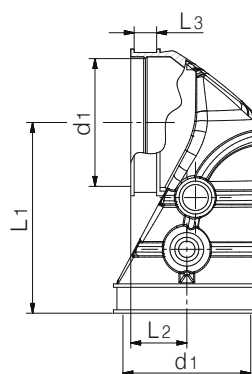


Pipe bends

The compact rubber elbow are manufactured to be fitted on the VikoSeal air cleaner with rigid outlet at 90 ° and really compact, 360° rotation is possible. Designed to get the maximum seal with easy install.



Code	Air cleaner	d1	d2	L1	L2
ET-1695200	FR04	44	44	57	31
ET-1694100	FR05	51	51	66	35,5
ET-1768800	FR05	57	51	68	35,5
ET-1694600	FR06	63,5	63,5	78	41
ET-1694800	FR07	77	76	85	44
ET-1693700	FR08	90,5	89	98	55
ET-1685800	FR09	101	89	105	50,5
ET-1621300	FR10	101	101	120	57



Code	Air cleaner	d1	L1	L2	L3
ET-1532700	FR04	44	70	29	11
ET-1533300 *	FR05	51	89	33,5	13
ET-1535600	FR07	76	110,5	32,5	13
ET-1534700	FR08	89	124,5	40	13
ET-1533100	FR09 - FR10	101	152,5	38	13

* Delivery times to be agreed





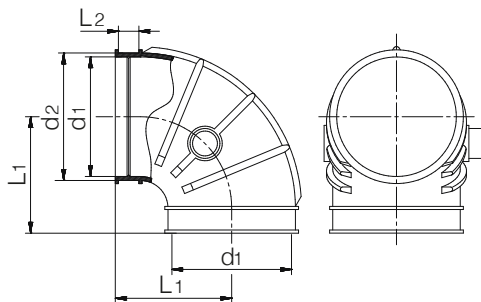
Longday elbow are manufactured of NBR and to guarantee the best seal and easier installation. Longday use material which meet the oem requirements.

Elbow and pipe have the possibility to be supplied with indicator plug and blow by.

Specifications:

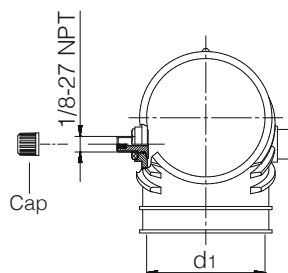
- Temperature working range -30 °C +120 °C with peaks +130 °C
- Resistant to oil and lubricants
- Low restriction
- High resistance to vibrations and implosion
- Suit to medium applications
- Indicator plug and blow by as option
- Good noise absorbtion
- Reliable seal

Rubber pipe



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1484200	44	49	-	53,5	13	-
ET-1482000	51	55	-	57	13	-
ET-1481400	76	81	-	74	13	-
ET-1482500	89	95	-	81,5	13	-

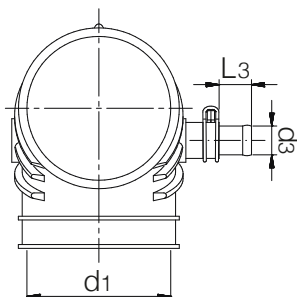
Pipe bend with connection for service indicator



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1510200	44	-	-	-	-	-
ET-1510800	51	-	-	-	-	-
ET-1511000	76	-	-	-	-	-
ET-1511300	89	-	-	-	-	-

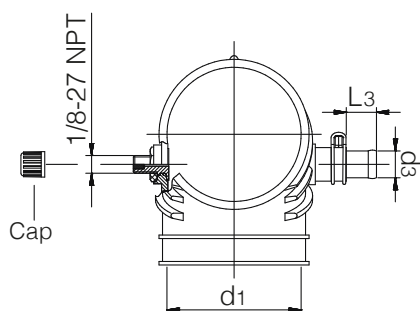


Pipe bend with connection for exhaust



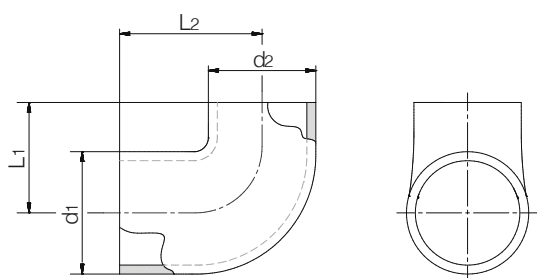
Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1511700	44	-	12	-	-	18
ET-1512200	51	-	12	-	-	18
ET-1511900	76	-	16	-	-	18
ET-1512500	89	-	16	-	-	18

Pipe bend with connections for service indicator and exhaust



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1512600	44	-	12	-	-	18
ET-1512700	51	-	12	-	-	18
ET-1512400	76	-	16	-	-	18
ET-1513000	89	-	16	-	-	18

Reducing elbows



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1698100	70	60	-	74	95,5	-



VikoPac

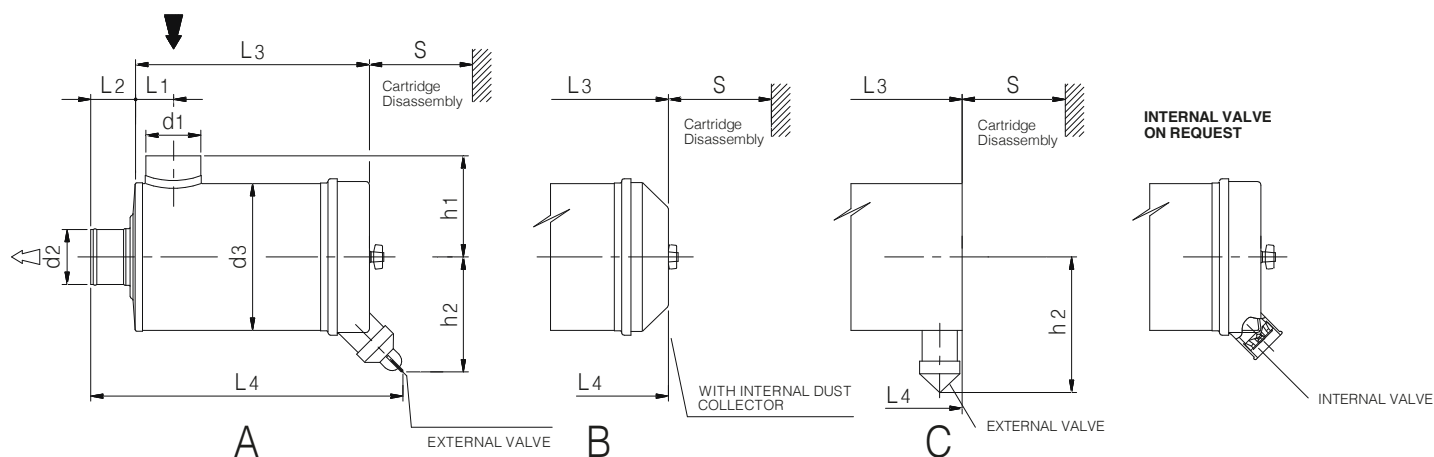
Two-stage air filter with a metal housing



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 ele- ments	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	FL21-1710033	M	C	54	CH21-1707000		254	254	545	183	100	613	713	328	446	613	
	FL21-1710043	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

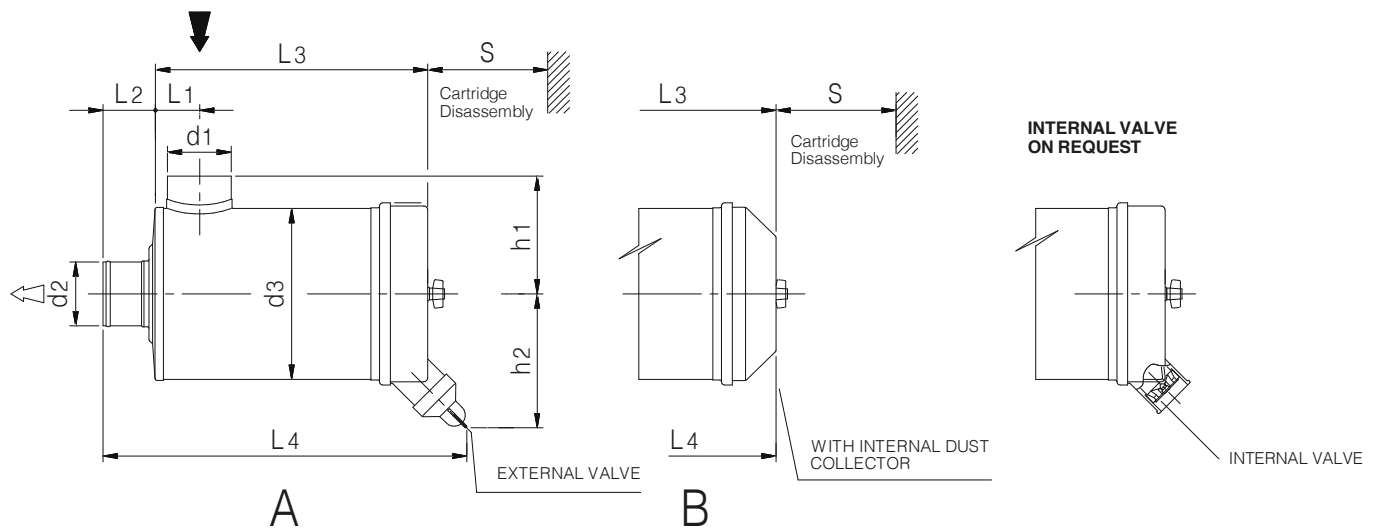
P – Plastic Cap

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 $+100^{\circ}\text{C}$ with peaks of $+120^{\circ}\text{C}$
- 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	
6	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	
8	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	
	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	
8	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	
	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	
12	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	
	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

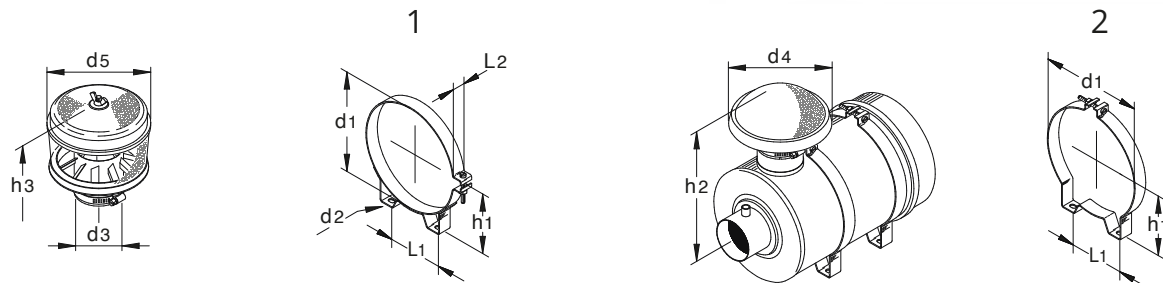
P – Plastic Cap

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

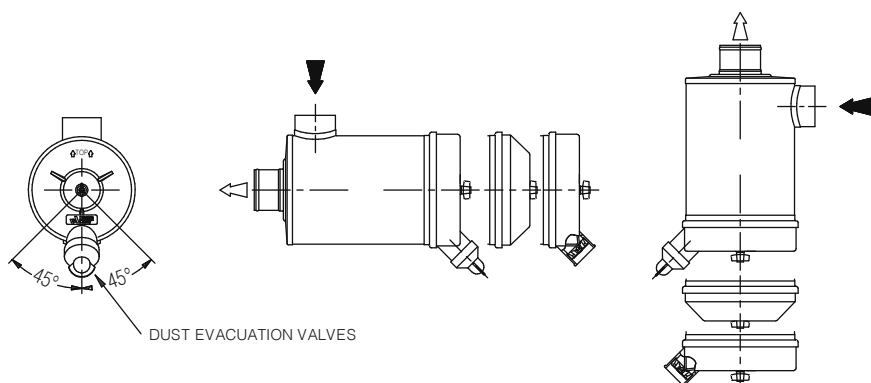


Double mounting band needed for air cleaner. For FC04 and FC05-11550 only one mounting band is necessary.

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.

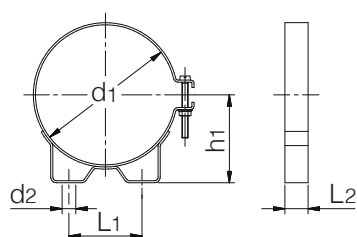


Standard mounting metal bands for FC-FL series



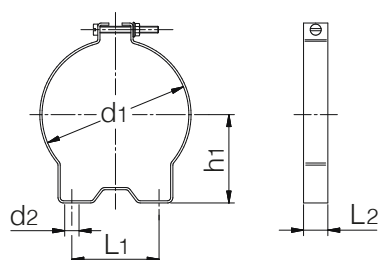
- Corrosion resistant
- Vibrations resistant
- Screws included
- Adapting to the housing thermal dilatations
- Steel made

Technical Data



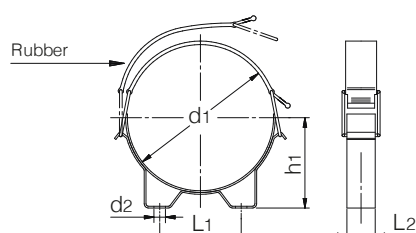
Code	Dimensions in mm				
	d1	d2	h1	L1	L2
CF05-1290600	133	9	80	83	22
CF06-1290700	165	13 x 9	102,5	92	22
CF07-1152700	187	13 x 9	120	110	25
CF08-1290800	203	13 x 9	123	110	25
CF08-1542000	203	9	116,5	110	25
CF10-1113100	260	11,5	146	127	32
CF12-1118400	300	13	175	152	32
CF14-1327300	355,5	13	206	203	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

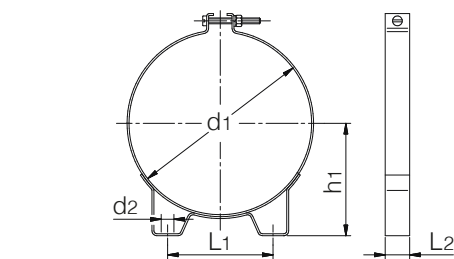


- Corrosion resistant
- Vibrations resistant
- Screws included
- Adapting to the housing thermal dilatations
- Steel made

Technical Data

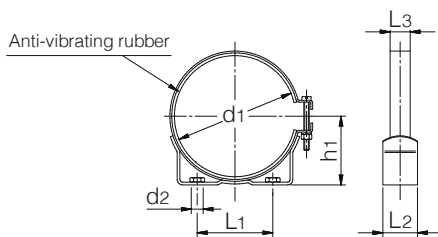
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF07-1219700	187	13 x 9	120	108	25	-

Double mounting band needed for air cleaner



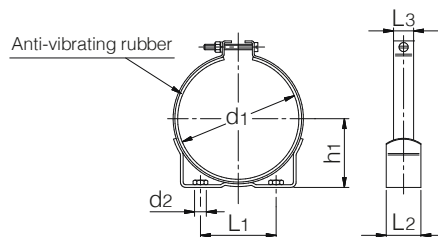
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF05-1195600	133	M8 x 1,25	74,5	83	38	22

Only one mounting band needed for air cleaner



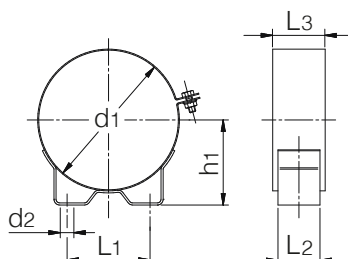
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF05-1195700	133	M8 x 1,25	74,5	83	38	22

Only one mounting band needed for air cleaner

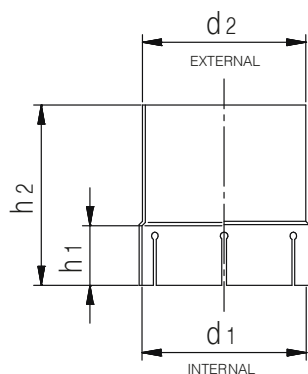


Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF04-1192300	112	M8 x 1,25	72	70	40	50
CF05-1333700	133	9	81	83	40	50

Only one mounting band needed for air cleaner



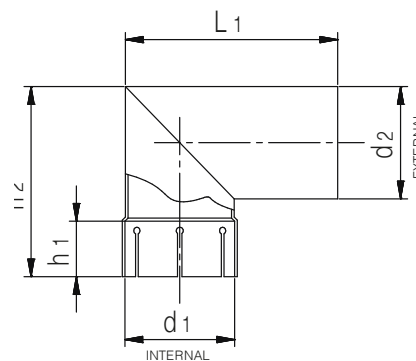
Metal extension -Just for unfiltered air intake



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





3**Air intake pre-cleaners**

Vortex

Automatic, self-cleaning air intake pre-cleaner



Vortex is a self-cleaning air intake pre-cleaner providing direct, continuous expulsion of dust, ash, sand, insect, sparks, snow and water, etc. It has the same function as a rain cap. Vortex cools the air intake, increases service life on a cost-efficient basis and increases the intervals between filter services.

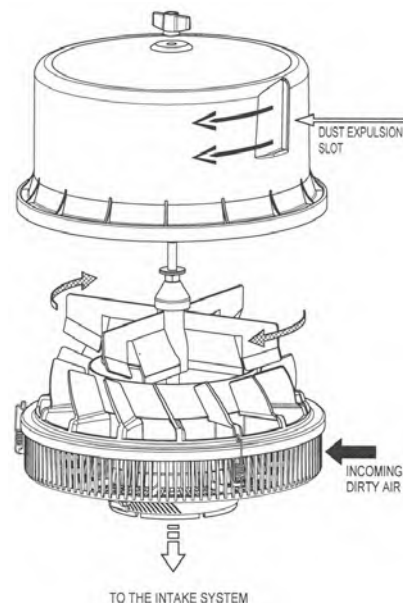
Vortex lengthens the filter life, reduces the fuel costs and extends the engine life.

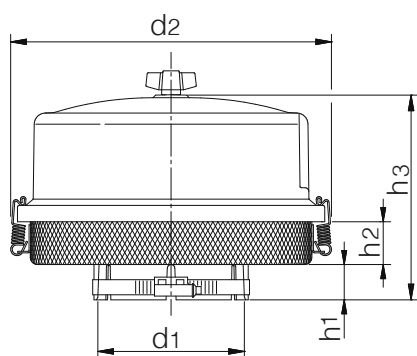
Properties:

- Removes more than 87.5% of SAE coarse dust
- Removes up to 99% of bigger airborne particles
- Only a slight loss of vacuum
- Better noise reduction than classic pre-cleaners
- Can be mounted directly on the air filter
- No installation restrictions operates in any position
- Designed for the harshest of working environments
- Compact dimensions
- Easy monitoring of functions
- For use with single and two-stage air cleaners
- The operating temperature of -40°C to +85°C with peaks of +100°C
- Volume flow range from 0.9 m³/min to 56 m³/min

Advantages:

- Increases filter life by up to 12 times
- Self-cleaning through direct, continuous dust expulsion
- No downtime for emptying dust bowls
- Savings on fuel and maintenance costs
- Easy retrofitting to existing applications
- No connection to the exhaust system required
- No increase in air intake temperature





After Vortex has been fitted on the air cleaner system, if no stroboscopic rpm-meter is available a simple test has to be followed when the engine is slow running. Insert talc or similar close to the air inlet area, the operator should visually be aware the talc being ejected from the lower side on the body of the pre-cleaner even if in small quantity. Anyway air should come out from the lower. Acceleration will increase the efficiency of the dust separation. However, when engine is slow running, the rotative speed of the fan inside the vortex should be at 1150 - 1500 rpm.

Vortex model selection must be based entirely on the airflow range used by the engine or compressor and not on the intake pipe diameter.

Important factors that should be taken under consideration when choosing Vortex automatic pre-cleaner:

- Airflow range of the engine or compressor
- Diameters of connection points between filter and pre-cleaner
- Air filter itself has to have from 15 to 30% more airflow capacity when automatic pre-cleaner is used as added pre-cleaner increases the airflow restriction
- RPM levels (acceleration will increase the efficiency of the dust separation, however when engine is slow-running the pre-cleaner fan speed should be at 1150 – 1500 RPM)
- Any additional extension or connection reduce the airflow of the air cleaner system
- Can be mounted in any position
- Efficiency of the chosen combination of parts (filter with a pre-cleaner) in a specific application should always be measured by a test of the air cleaner system in a real working conditions.

In order to choose the most effective pre-cleaning solution for the engine or compressor, based on its specification you can contact our sales department for expert assistance: sales@longday.com or +41 (0) 43 501 58 00.

Technical Data

Code	Air flow m³/min	Dimensions in mm					Weight in kg
		d1	d2	h1	h2	h3	
CV-1548100	0,9 - 1,9	38	104	17	11	71	0,14
CV-1681800 ^A	0,9 - 2,2	45	104	17	11	77	0,14
CV-1547800	0,9 - 2,4	51	104	17	11	77	0,14
CV-1531800 ^A	1,7 - 3	51	170	17	14	117	0,39
CV-1527600	1,7 - 3,4	63,5	170	17	14	117	0,38
CV-1655600 ^A	2,5 - 4	70	170	17	14	117	0,39
CV-1525100	2,5 - 4,2	76	170	17	14	117	0,38
CV-1524000	3,5 - 7,2	76	255	26	36	160	0,76
CV-1692100	4,2 - 10	82,2	255	26	36	160	0,76
CV-1475000	4,2 - 8,5	96	255	26	36	160	0,76
CV-1477100 ^B	4,2 - 8,5	96	255	58	122	278	1,94
CV-1476700	4,2 - 10,5	102	255	26	36	160	0,76
CV-1476900 ^B	4,2 - 10,5	102	255	58	122	278	2,16
CV-1664000	8 - 19,5	110	300	31	37,5	214	1
CV-1477000	4,2 - 11	114	255	26	36	160	0,76
CV-1477500 ^B	4,2 - 11	114	255	58	122	278	2,28
CV-1580200 ^A	8,4 - 19,5	114	300	31	37,5	214	1
CV-1549700	5 - 11,7	127	255	61	36	193	0,9
CV-1561600	9,5 - 20,8	127	300	31	37,5	214	1
CV-1730000 ^B	9,5 - 20,8	127	300	59	119	320	-
CV-1593300	7,5 - 19,8	152	300	31	37,5	214	1
CV-1562000	11,6 - 27,2	152	300	31	37,5	214	1
CV-1592200	16 - 30	178	380	25	55	207	3,94
CV-1622100	17 - 33,3	203	380	66	55	248	4,4
CV-1748200 ^{A, C}	20 - 53	203	465	36	42	202	5,66
CV-1740800 ^C	26 - 56	228	465	36	42	202	5,12
CV-1741000 ^C	45 - 56	255	465	36	42	202	5,2

^A d1 with reduction

^B With high protection net (h2-h3)

^C With metal cover



VisiClean

Cyclone pre-cleaner

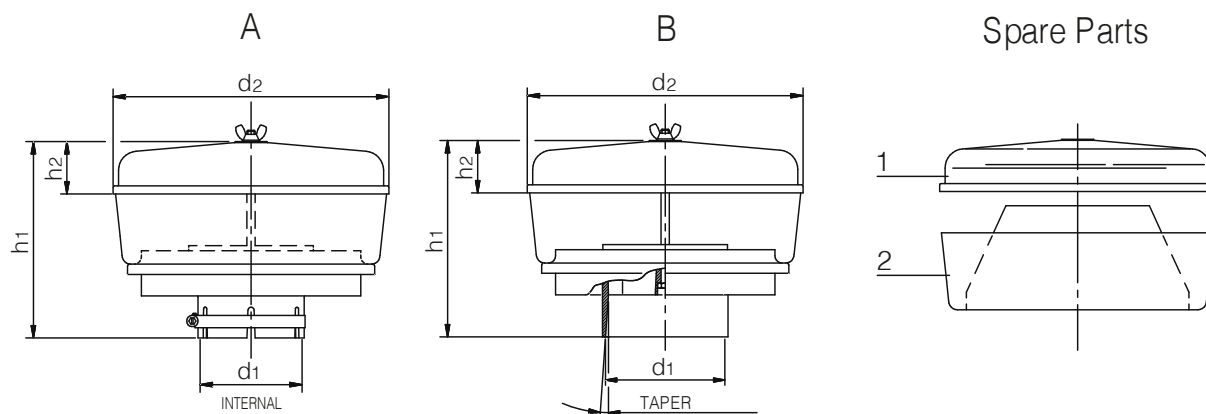


VisiClean pre-cleaner works with centrifugal force, separating off the dust particles into a dust bowl. The cyclone pre-cleaner increases the maintenance intervals for single and two-stage air filters that are used in environments with a medium to extremely heavy dust load. It additionally has the same function as a rain cap.



Properties:

- Removes more than 85% of coarse dust
- Collects the eliminated dust in the integral dust bowl
- Dustbowl is emptied manually
- Only a slight loss of vacuum
- Suitable for applications where the collected dust is not to be expelled again
- Increases the service life of the filter elements
- Can be fitted directly on the air filter
- Operating temperature from -40°C to +85°C with peaks of +100°C
- Volume flow range from 1.4m³/min to 33.4m³/min



Technical Data

Code	Type	Air flow m³/min	Dimensions in mm				Spare part cover	Spare part bowl
			d1	d2	h1	h2		
CT-1180300	A	1,4	40,2	143	135	-	CTR-1118700	CTR-1118600
CT-1328500 *	A	1,4 - 1,5	42	143	135	-	CTR-1118700	CTR-1118600
CT-1298200 *	A	1,4 - 1,7	45,2	143	135	28	CTR-1118700	CTR-1118600
CT-1310400 *	A	1,8 - 3,3	48	143	135	28	CTR-1118700	CTR-1118600
CT-1119300	A	2,1 - 3,7	51,2	143	135	28	CTR-1118700	CTR-1118600
CT-1328400 *	A	2,1 - 4,1	54	143	135	28	CTR-1118700	CTR-1118600
CT-1121600 *	A	2,1 - 4,6	57,2	143	135	28	CTR-1118700	CTR-1118600
CT-1283200 *	A	2,1 - 4,8	60,2	143	135	28	CTR-1118700	CTR-1118600
CT-1119200	A	2,5 - 5,1	63,7	143	135	28	CTR-1118700	CTR-1118600
CT-1193800	A	2,5 - 5,3	63,7	173	144	45	CTR-1128500	CTR-1128600
CT-1166900	A	2,5 - 5,3	65,2	143	135	28	CTR-1118700	CTR-1118600
CT-1431800 *	A	2,5 - 5,5	65	173	144	45	CTR-1128500	CTR-1128600
CT-1144400 *	A	2,5 - 6,1	68,2	173	144	45	CTR-1128500	CTR-1128600
CT-1193900 *	A	2,5 - 6,4	70,2	173	144	45	CTR-1128500	CTR-1128600
CT-1406800	A	3 - 6,8	76,2	186	178	49	CTR-1407000	CTR-1249900
CT-1128300	A	3 - 6,7	76,2	173	144	45	CTR-1128500	CTR-1128600
CT-1308800	A	3 - 7,5	76,2	270	191	51	CTR-1116500	CTR-1116400
CT-1145600	A	3 - 6,9	77,2	173	144	45	CTR-1128500	CTR-1128600
CT-1693000	A	5 - 9	82,2	270	191	51	CTR-1116500	CTR-1116400
CT-1404900 *	A	5 - 8,8	90	270	191	51	CTR-1116500	CTR-1116400
CT-1105000	A	5 - 10	96,2	270	191	51	CTR-1116500	CTR-1116400
CT-1118500	A	5,6 - 11,3	102,2	270	191	51	CTR-1116500	CTR-1116400
CT-1297200 *	A	6 - 11	110	270	191	51	CTR-1116500	CTR-1116400
CT-1678100	A	9,5 - 19,5	110	306	205	52	CTR-1330600	CTR-1320800
CT-1682500 *	A	9,5 - 19,5	114	306	205	52	CTR-1330600	CTR-1320800
CT-1145400	A	6,4 - 11,8	114,2	270	191	51	CTR-1116500	CTR-1116400
CT-1330400	A	6 - 12	115,2	270	191	51	CTR-1116500	CTR-1116400
CT-1343100 *	A	7 - 13,1	120,2	270	192	51	CTR-1116500	CTR-1116400
CT-1145500	A	8 - 14,7	127,2	270	192	51	CTR-1116500	CTR-1116400
CT-1328200	A	8,5 - 20,1	127,2	306	205	52	CTR-1330600	CTR-1320800
CT-1328300 *	A	9 - 23	150,2	306	205	52	CTR-1330600	CTR-1320800
CT-1320900	A	9 - 26	152,5	306	205	52	CTR-1330600	CTR-1320800
CT-1356300	A	11 - 28	178	306	254	52	CTR-1330600	CTR-1320800
CT-1595300	A	11 - 32,5	178	406	270	53	CTR-1593200	CTR-1592900
CT-1597100	A	11 - 40	203,2	406	310	53	CTR-1593200	CTR-1592900
CT-1407100	B	2,5 - 5,4	64,3	186,5	178	49	CTR-1407000	CTR-1249900
CT-1308900	B	3 - 7,5	76	270	197	51	CTR-1116500	CTR-1116400
CT-1219500	B	5,6 - 11,4	102,4	270	197	51	CTR-1116500	CTR-1116400
CT-1410000	B	8 - 20,2	128	306	218	52	CTR-1330600	CTR-1320800

* d1 with reduction

B Conical inlet





4 Accessories



Sentinel

Electric maintenance switch (sensor)



This built-in sensor monitors the degree of soiling of the air filter and emits a control signal when the predefined end-pressure differential is reached in the filter. The acoustic or optic display that is triggered alerts the operator to the filter soiling, ensuring that servicing can be carried out at the correct point in time.

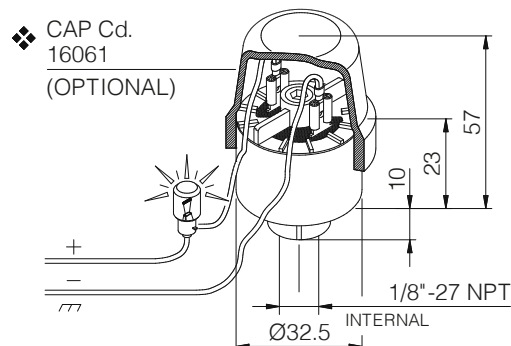


Properties:

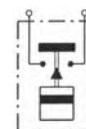
- Lightweight yet robust design for extreme operating environments
- Electrical contact with a stabiliser for reducing inherent resonance
- Easy to fit, and deployable with all filter types
- Different starting-pressure differentials, such as 25, 50, 62, and 75mbar (10-120mbar on request)
- Automatic switch reset after the filter has been serviced
- Normally open contact
- Operating voltage 12 to 24VDC
- Connections to IP44 or IP67 (AMP plug)
- Operating temperature from -30°C to +120°C

Important:

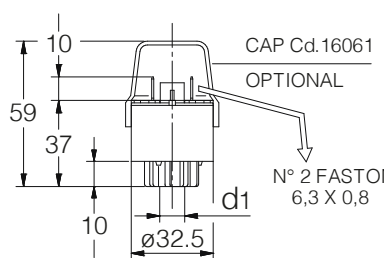
If the indicator is turned towards the upside, it can be protected with its proper cap, if it is turned towards the downside, don't put the cap on to avoid water stagnations.



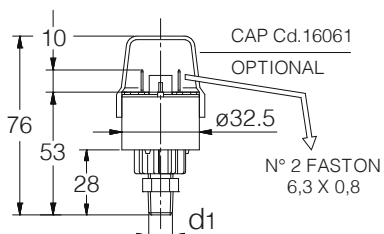
NORMALLY OPEN



Electric (IP44)

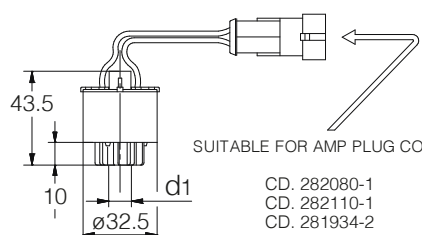


Code	mm H2O	mbar	KPa	inches H2O	d1
SE-14600250	250	25	2,5	9,84"	1/8" - 27 NPT
SE-14600350	350	35	3,5	13,78"	1/8" - 27 NPT
SE-14600380	380	38	3,8	15"	1/8" - 27 NPT
SE-14600508	508	50	5	20"	1/8" - 27 NPT
SE-14600635	635	62	6,2	25"	1/8" - 27 NPT
SE-14600762	762	75	7,5	30"	1/8" - 27 NPT
SE-14600900	900	88	8,8	35,5"	1/8" - 27 NPT

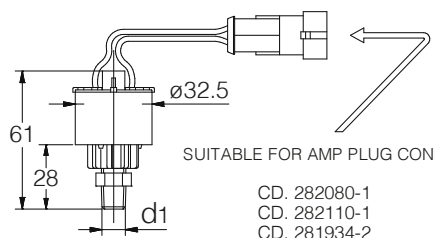


Code	mm H2O	mbar	KPa	inches H2O	d1
SE-14629508	508	50	5	20"	1/8" - 27 NPT
SE-14629635	635	62	6,2	25"	1/8" - 27 NPT
SE-14629762	762	75	7,5	30"	1/8" - 27 NPT
SE-14629900	900	88	8,8	35,5"	1/8" - 27 NPT

Electric (IP67)



Code	mm H2O	mbar	KPa	inches H2O	d1
SE-14610350	350	35	3,5	13,78"	1/8" - 27 NPT
SE-14610508	508	50	5	20"	1/8" - 27 NPT
SE-14610635	635	62	6,2	25"	1/8" - 27 NPT
SE-14610762	762	75	7,5	30"	1/8" - 27 NPT



Code	mm H2O	mbar	KPa	inches H2O	d1
SE-14631508	508	50	5	20"	1/8" - 27 NPT
SE-14631635	635	62	6,2	25"	1/8" - 27 NPT

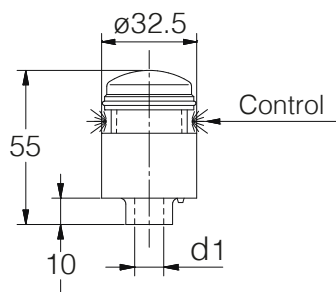


Sentinel

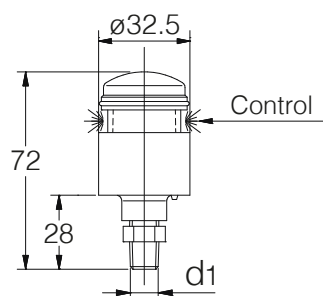
Mechanical maintenance switch (sensor)



This mechanical maintenance switch with an optical display monitors the degree of soiling in the air filter and switches its display from green to red when the predefined end-pressure differential is reached in the filter, telling the operator that the filter needs to be serviced. After the filter has been serviced, the maintenance switch must be reset manually again. Depending on the customer's application, an optical and/or an electric maintenance switch is connected up for each two-stage air filter, so that a signal is visible in the operator's booth as well as a display directly on the filter.



MECHANICAL (IP 44)



MECHANICAL (IP 44)

Technical Data

Code	mm H2O	mbar	KPa	inches H2O	d1
SI-16224250	250	25	2,5	9,84"	1/8" - 27 NPT
SI-16367350	350	35	3,5	13,78"	1/8" - 27 NPT
SE-13697508	508	50	5	20"	1/8" - 27 NPT
SI-13687635	635	62	6,2	25"	1/8" - 27 NPT
SI-16742762	762	75	7,5	30"	1/8" - 27 NPT

Code	mm H2O	mbar	KPa	inches H2O	d1
SI-16227250	250	25	2,5	9,84"	1/8" - 27 NPT
SI-16368350	350	35	3,5	13,78"	1/8" - 27 NPT
SI-12885508	508	50	5	20"	1/8" - 27 NPT
SI-12886635	635	62	6,2	25"	1/8" - 27 NPT
SI-16761762	762	75	7,5	30"	1/8" - 27 NPT





Properties:

- Lightweight but robust design for extreme working environments
- Easy to fit, and deployable with all filter types
- Various starting-pressure differentials, such as 25, 50, 62 and 75mbar
- The switch must be reset manually after filter servicing
- The operating temperature of -30°C to +120°C



Rain Caps

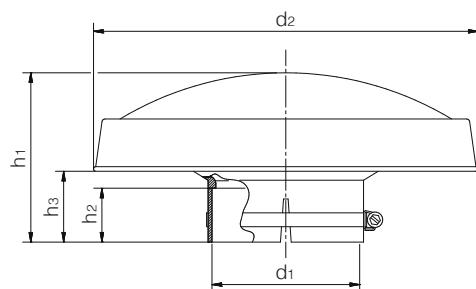
Filter protection



The rain cap protects the air filter against the penetration of moisture in the form of rain, snow, and splashed water and prevents bigger objects such as leaves and branches, etc. from getting into the filter, thus extending the servicing intervals. Various sizes are available in metal and plastic.

Metal

Code	Dimensions in mm				
	d1	d2	h1	h2	h3
CP-1108000	51,2	112	57	28	25
CP-1108100	63,7	133	59	28	30
CP-1108200	76,2	172	77	30	33
CP-1380700	80,2	172	77	30	38



Plastic

Code	Dimensions in mm				
	d1	d2	h1	h2	h3
CP-1180100 *	40,2	133	72	25	27
CP-1445400 *	45,2	133	72	25	27
CP-1273100 *	48,2	133	72	25	27
CP-1110500	51,2	133	72	25	27
CP-1310100 *	53,2	152	84	28	30
CP-1328100 *	54,2	152	84	28	30
CP-1145300 *	57,2	152	84	28	30
CP-1273500 *	60,2	152	84	28	30
CP-1545400	62	152	84	28	30
CP-1107300	63,7	152	84	28	30
CP-1193400	65,7	152	84	28	30
CP-1310200 *	68,2	160	87	29	32
CP-1193700 *	70,2	160	87	29	32
CP-1103100	76,2	160	87	29	32
CP-1355800	76,2	174	55	29	29
CP-1561000 *	82,2	252	111	30	45
CP-1508700	96,2	252	111	30	45
CP-1509600	101,2	250	108	35	44
CP-1509000	102,2	250	108	35	44
CP-1510300 *	106	250	110	35	44
CP-1509800 *	110,2	250	110	35	44
CP-1510000	114,2	250	110	35	44
CP-1509200	115,2	250	110	35	44
CP-1700700	127,2	265	93	32	33
CP-1635600	127,2	265	115	32	45
CP-1581400	150,2	360	145	50	55
CP-1580000	153,2	360	145	50	55
CP-1581600	154,2	360	145	50	55
CP-1686500	179,2	385	165	38,5	48
CP-1741300 *	203,2	412	190	43	55
CP-1741500 *	228,2	412	190	43	55
CP-1741100	254,2	412	190	43	55

* d1 with reduction



Rubber pipes

Special rubber pipe bends and pipes



Longday elbow are manufactured of NBR and to guarantee the best seal and easier installation. Longday use material which meet the oem requirements.

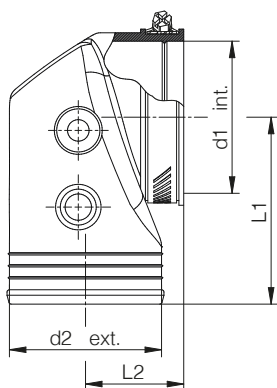
Elbow and pipe have the possibility to be supplied with indicator plug and blow by.

Specifications:

- Temperature working range -30 °C +120 °C with peaks +130 °C
- Resistant to oil and lubricants
- Low restriction
- High resistance to vibrations and implosion
- Suit to medium applications
- Indicator plug and blow by as option
- Good noise absorbtion
- Reliable seal

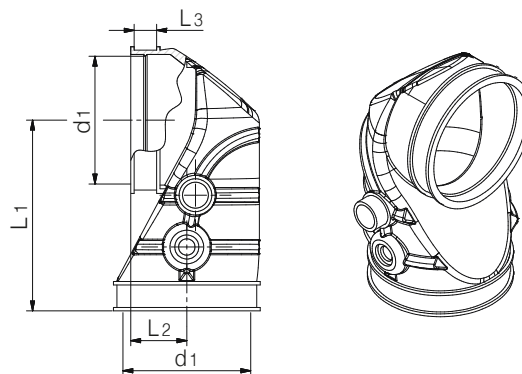
Pipe bends

The compact rubber elbow are manufactured to be fitted on the VikoSeal air cleaner with rigid outlet at 90 ° and really compact, 360° rotation is possible. Designed to get the maximum seal with easy install.



Code	Air cleaner	d1	d2	L1	L2
ET-1695200	FR04	44	44	57	31
ET-1694100	FR05	51	51	66	35,5
ET-1768800	FR05	57	51	68	35,5
ET-1694600	FR06	63,5	63,5	78	41
ET-1694800	FR07	77	76	85	44
ET-1693700	FR08	90,5	89	98	55
ET-1685800	FR09	101	89	105	50,5
ET-1621300	FR10	101	101	120	57

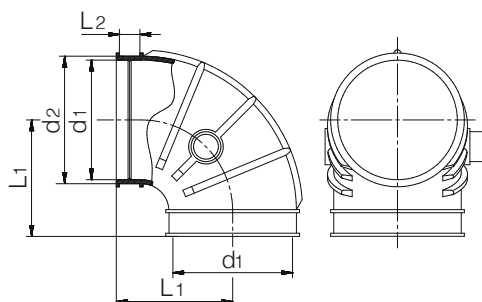




Code	Air cleaner	d1	L1	L2	L3
ET-1532700	FR04	44	70	29	11
ET-1533300 *	FR05	51	89	33,5	13
ET-1535600	FR07	76	110,5	32,5	13
ET-1534700	FR08	89	124,5	40	13
ET-1533100	FR09 - FR10	101	152,5	38	13

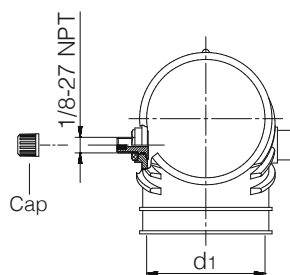
* Delivery times to be agreed

Rubber pipe bend



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1484200	44	49	-	53,5	13	-
ET-1482000	51	55	-	57	13	-
ET-1481400	76	81	-	74	13	-
ET-1482500	89	95	-	81,5	13	-

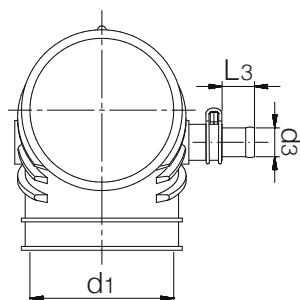
Pipe bend with connection for service indicator



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1510200	44	-	-	-	-	-
ET-1510800	51	-	-	-	-	-
ET-1511000	76	-	-	-	-	-
ET-1511300	89	-	-	-	-	-

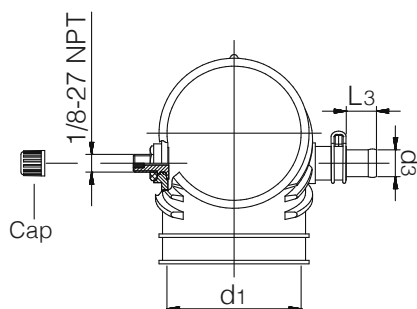


Pipe bend with connection for exhaust



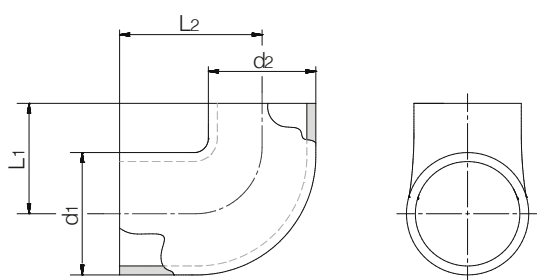
Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1511700	44	-	12	-	-	18
ET-1512200	51	-	12	-	-	18
ET-1511900	76	-	16	-	-	18
ET-1512500	89	-	16	-	-	18

Pipe bend with connections for service indicator and exhaust



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1512600	44	-	12	-	-	18
ET-1512700	51	-	12	-	-	18
ET-1512400	76	-	16	-	-	18
ET-1513000	89	-	16	-	-	18

Reducing elbows



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1698100	70	60	-	74	95,5	-



Straight pipe connections



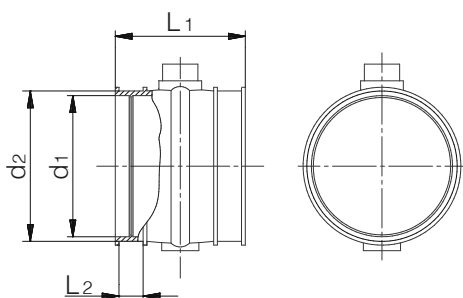
The Longday pipe are manufactured of NBR and to guarantee the best seal and easier installation. Longday use material which meet the oem requirements.

Elbow and pipe have the possibility to be supplied with indicator plug and blow by.

Specifications:

- Temperature working range -30 °C +120 °C with peaks +130 °C
- Resistant to oil and lubricants
- Low restriction
- High resistance to vibrations and implosion
- Suit to medium applications
- Indicator plug and blow by as option
- Good noise absorbtion
- Reliable seal

Rubber pipe

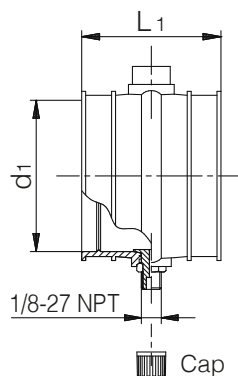


Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1484300	44	49	-	70	13	-
ET-1484700	51	55	-	70	13	-
ET-1482800	76	81	-	70	13	-
ET-1482400	89	95	-	80	13	-
ET-1536700 *	101	107	-	90	13	-

* Delivery times to be agreed



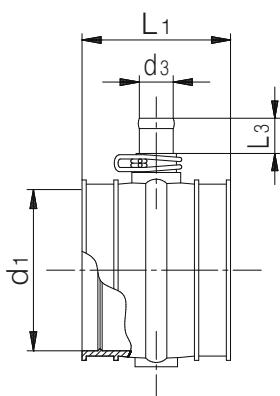
Rubber pipe with connection for service indicator



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1511100	44	-	-	70	-	-
ET-1510500	51	-	-	70	-	-
ET-1511600	76	-	-	70	-	-
ET-1512000	89	-	-	80	-	-
ET-1536900 *	101	-	-	90	-	-

* Delivery times to be agreed

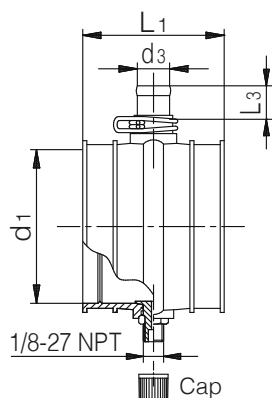
Rubber pipe with connection for exhaust



Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1547700	44	-	12	70	-	18
ET-1548000	51	-	12	70	-	18
ET-1532100	76	-	16	70	-	18
ET-1542800	89	-	16	80	-	18
ET-1548300 *	101	-	16	90	-	18

* Delivery times to be agreed

Rubber pipe with connection for service indicator and exhaust

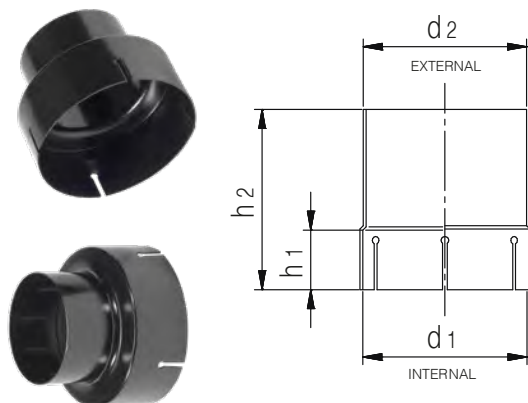


Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1547900	51	-	12	70	-	18
ET-1548400	76	-	16	70	-	18
ET-1548800	89	-	16	80	-	18
ET-1542700 *	101	-	16	90	-	18

* Delivery times to be agreed



Metal extension - Only for unfiltered air intake



Metal extensions and pipe bends are designed to be applied only in suction of unfiltered air.

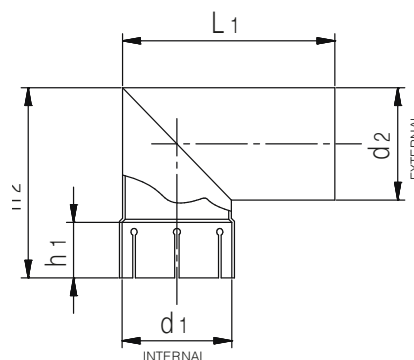
Specifications:

- Made of steel
- Painted
- High corrosion resistance
- High vibrations resistance
- Easy installation

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 bend - Only for unfiltered air intake



Metal extensions and pipe bends are designed to be applied only in suction of unfiltered air.

Specifications:

- Made of steel
- Painted
- High corrosion resistance
- High vibrations resistance
- Easy installation

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

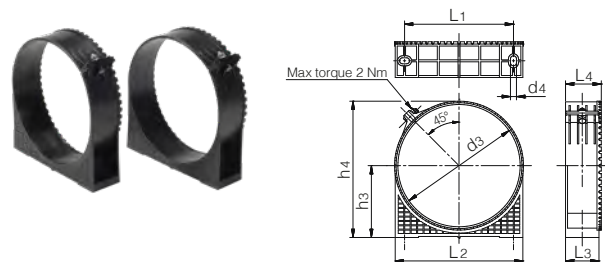


Mounting brackets

For two-stage air filters
VikoSeal and VikoPac



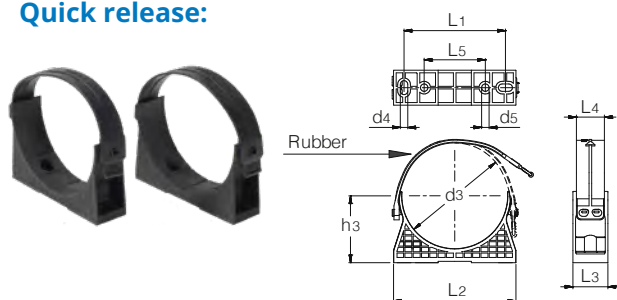
Plastic brackets:



TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

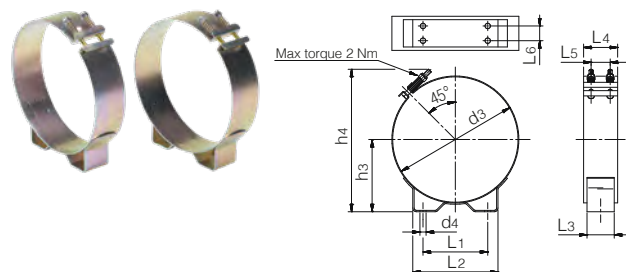
Code	Dimensions in mm							
	d3	d4	L1	L2	L3	L4	h3	h4
CF04-1536200	121	16x8,5	116	140	40	43,5	76,5	142
CF05-1536300	145	16x8,5	136	160	50,5	54	90	167
CF06-1604800	175	16x8,5	153,5	182	50,5	54	101,5	196
CF07-1532200	183	16x8,5	163	191	50,5	54	107,5	204
CF08-1536400	212	16x8,5	190	220	50,5	54	122	233
CF09-1672700	244,5	16x8,5	143,5	175	50	50	138,5	265
CF10-1536500 *	268	18x11	226	277	80	83,5	150	290,5

Quick release:



Code	Dimensions in mm								
	d3	d4	d5	L1	L2	L3	L4	L5	h3
CF04-1652400	121	16x8,5	8,5	116	140	40	32	70	76,5
CF05-1694400	144	16x8,5	8,5	136	160	50	32	80	90
CF06-1695000	175	16x8,5	12,5x8,5	153	182	50	38	90	101
CF06-1837000	175	-	12,5x8,5	-	120	50,5	38	90	101
CF07-1695300	183	16x8,5	8,5	163	190	50	38	95	107
CF08-1696800	212	16x8,5	8,5	190	220	50	38	110	122
CF09-1696600 *	242	24x8,5	8,5	190	230	50	38	143	137

Metal brackets:



TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

Code	Dimensions in mm									
	d3	d4	L1	L2	L3	L4	L5	L6	h3	h4
CF4-1441700	122	9	70	100	40	40	-	-	78	160
CF5-1445000	146	9	80	110	40	50	-	-	90	180
CF6-1652600	175	9	153,5	177,5	40	50	28	-	102	202
CF6-1718000	175	9	90	121	40	50	28	-	102	202
CF7-1417200	184	9	95	125	40	50	28	-	106	209
CF8-1440300	212	9	110	140	40	50	28	-	120	232
CF10-1536600	268	11	127	160	60	80	55	-	148	280,5
CF12-1647000	309	10,5	152	185	80	80	55	50	184	331
CF15-1657800	394	11	203	240	100	109	81	70	203	380,6

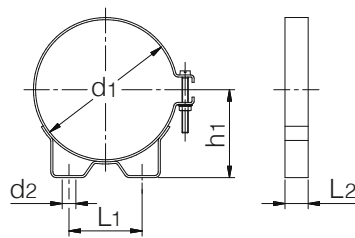


Standard mounting metal bands for FC-FL series



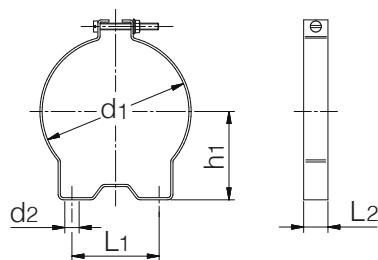
- Corrosion resistant
- Vibrations resistant
- Screws included
- Adapting to the housing thermal dilatations
- Steel made

Technical Data



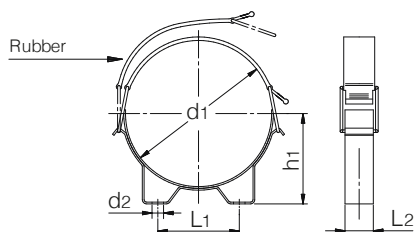
Code	Dimensions in mm				
	d1	d2	h1	L1	L2
CF05-1290600	133	9	80	83	22
CF06-1290700	165	13 x 9	102,5	92	22
CF07-1152700	187	13 x 9	120	110	25
CF08-1290800	203	13 x 9	123	110	25
CF08-1542000	203	9	116,5	110	25
CF10-1113100	260	11,5	146	127	32
CF12-1118400	300	13	175	152	32
CF14-1327300	355,5	13	206	203	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

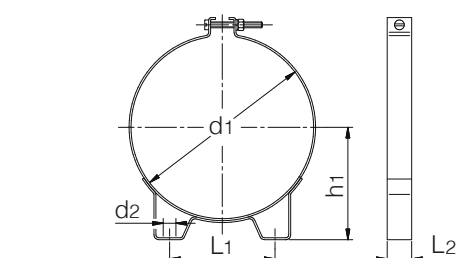


- Corrosion resistant
- Vibrations resistant
- Screws included
- Adapting to the housing thermal dilatations
- Steel made

Technical Data

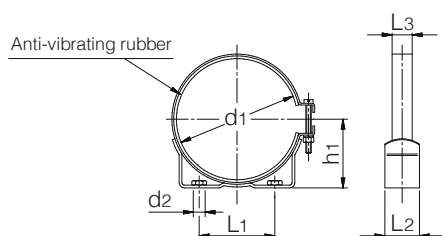
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF07-1219700	187	13 x 9	120	108	25	-

Double mounting band needed for air cleaner



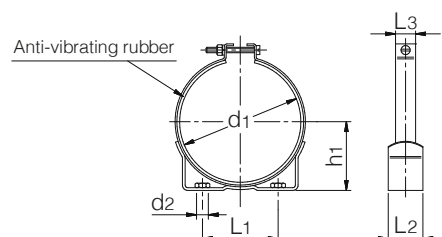
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF05-1195600	133	M8 x 1,25	74,5	83	38	22

Only one mounting band needed for air cleaner



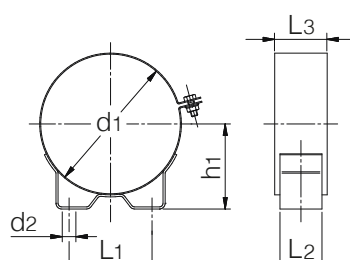
Code	Dimensions in mm					
	d1	d2	h1	L1	L2	L3
CF05-1195700	133	M8 x 1,25	74,5	83	38	22

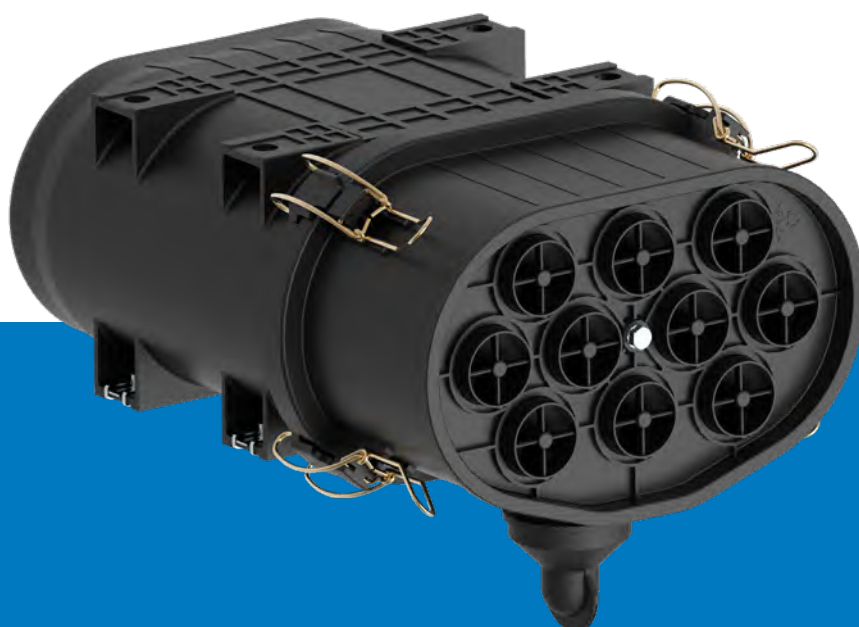
Only one mounting band needed for air cleaner



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





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