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 m^3 / min
- 2 position for the indicator even on the rubber elbow



Aplications

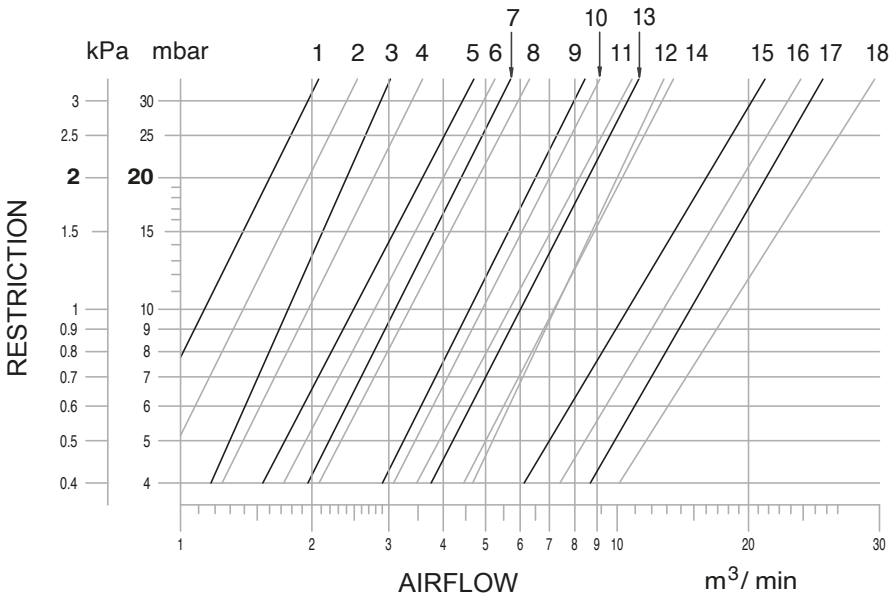
VikoSeal air cleaners are used for aspirated air on:

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

Plastic air filters FR series

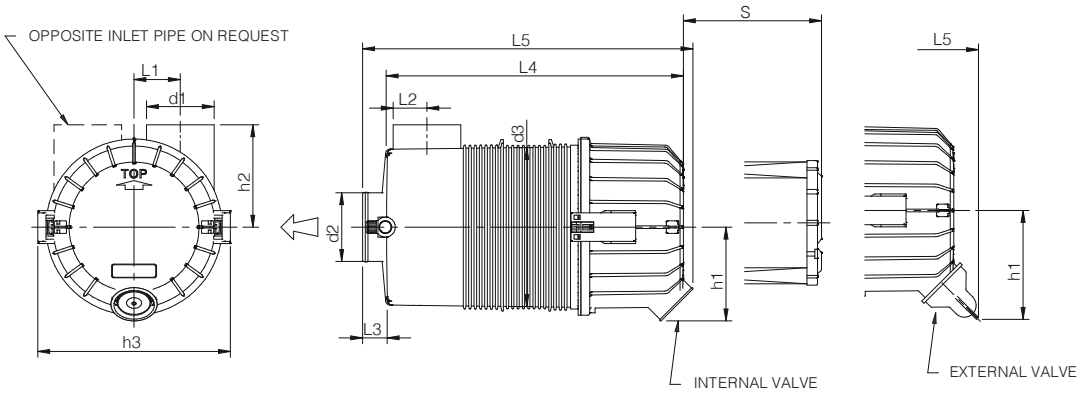


Airflow restriction curves



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



1 2

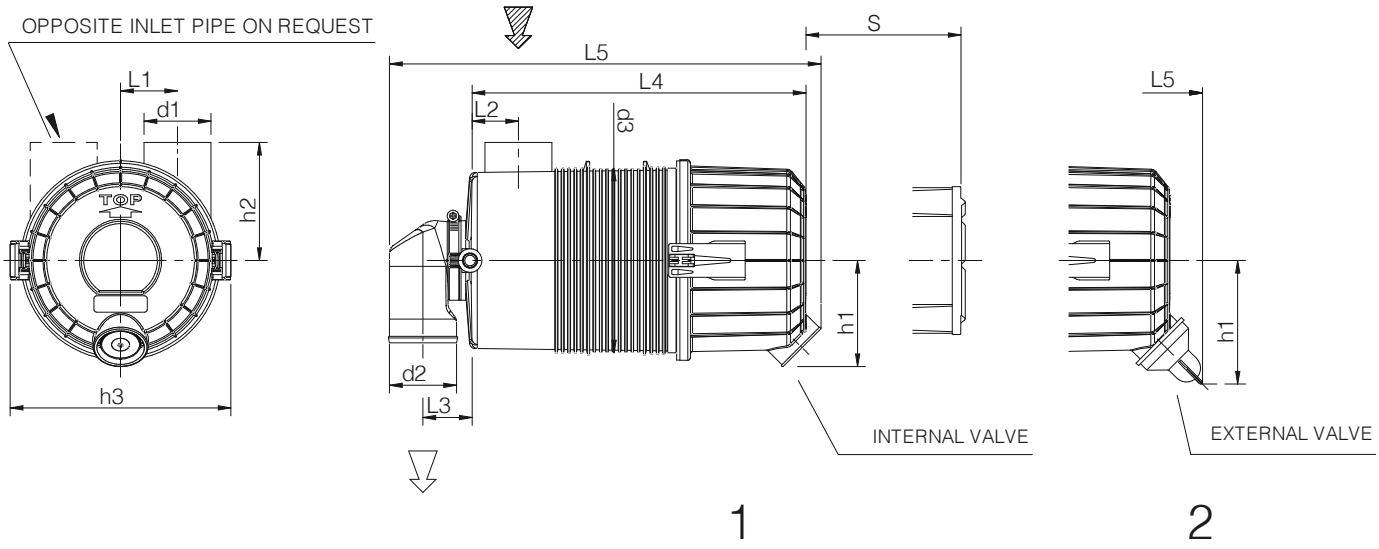
Technical Data

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
	FR04-14400C0	2	1,7	CH04-1441200	ST04-1517000	50	44	122	38	32	25	190	233	81	83	153	150
5	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
	FR05-14415C0	2	2,7	CH05-1440900	ST05-1440200	51	51	146	45	42	25	302	357	107	100	180	270
6	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
	FR06-16049C0	2	3,9	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	28	317	373	116	112	207	280
7	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
	FR07-14147C0	2	4,5	CH07-1407400	ST07-1427000	76	76	184	52	44	25	332	387	125	115	218	300
8	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
	FR08-14398C0	2	6,7	CH08-1441000	ST08-1441300	95	89	212	56	53	25	357	414	139	130	247	320
9	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
	FR09-16728C0	2	9,3	CH09-1672900	ST09-1673100	114	101	242	60	62	38	399	470	155	170	276	360
10	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
	FR10-15370C0	2	10	CH10-1537100	ST10-1538000	114	101	268	75	64	41	425	502	168	185	302	385
12	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
	FR12-16424C0	2	16,7	CH12-1641800	ST12-1641900	152	127	309	80	83	35	500	560	189	204	344	460
15	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
	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



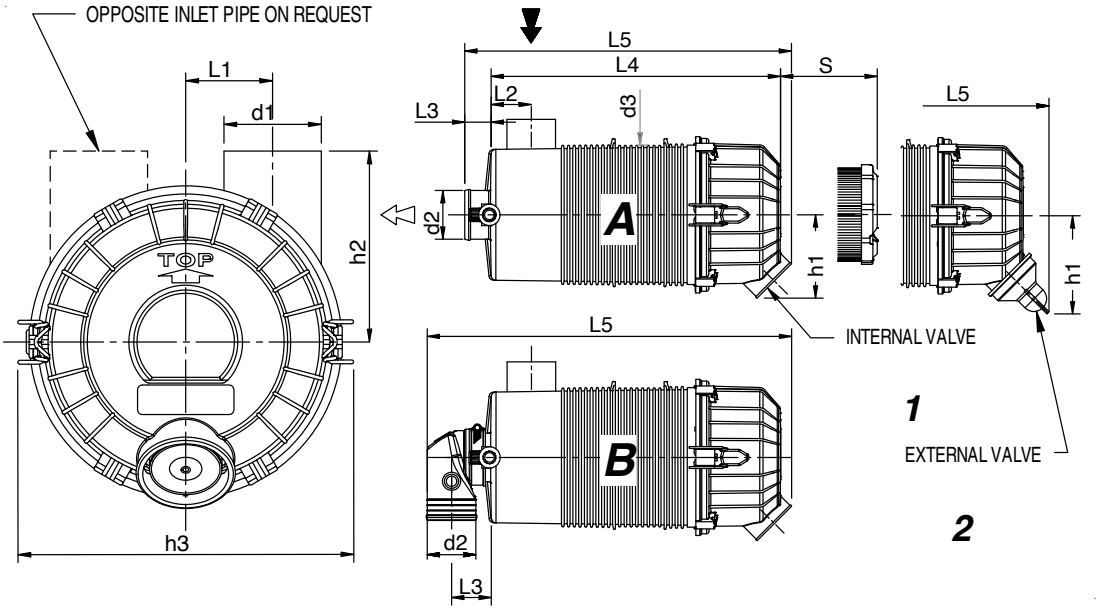
Technical Data

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
	FR04-16142C0	2	1,6	CH04-1441200	ST04-1517000	50	44	122	38	32	39	190	285	81	83	153	150
5	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
	FR05-16144C0	2	2,3	CH05-1440900	ST05-1440200	51	51	146	45	42	40	302	400	107	100	180	270
6	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
	FR06-16145C0	1	3,5	CH06-1605000	ST06-1605400	63,5	63,5	175	54	44	49	317	432	116	112	207	280
7	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
	FR07-16148C0	2	4,2	CH07-1407400	ST07-1427000	76	76	184	52	44	48	332	452	125	115	218	300
8	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
	FR08-16150C0	2	5,3	CH08-1441000	ST08-1441300	95	89	212	56	53	59,5	357	490	139	130	247	320
9	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
	FR09-16770C0	2	8	CH09-1672900	ST09-1673100	114	89	242	60	60	69	399	550	155	170	276	360
10	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
	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.

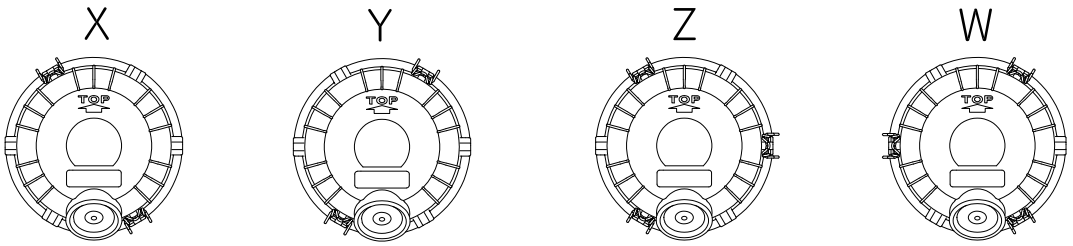
Plastic air cleaner FR series with metallic clamps



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)

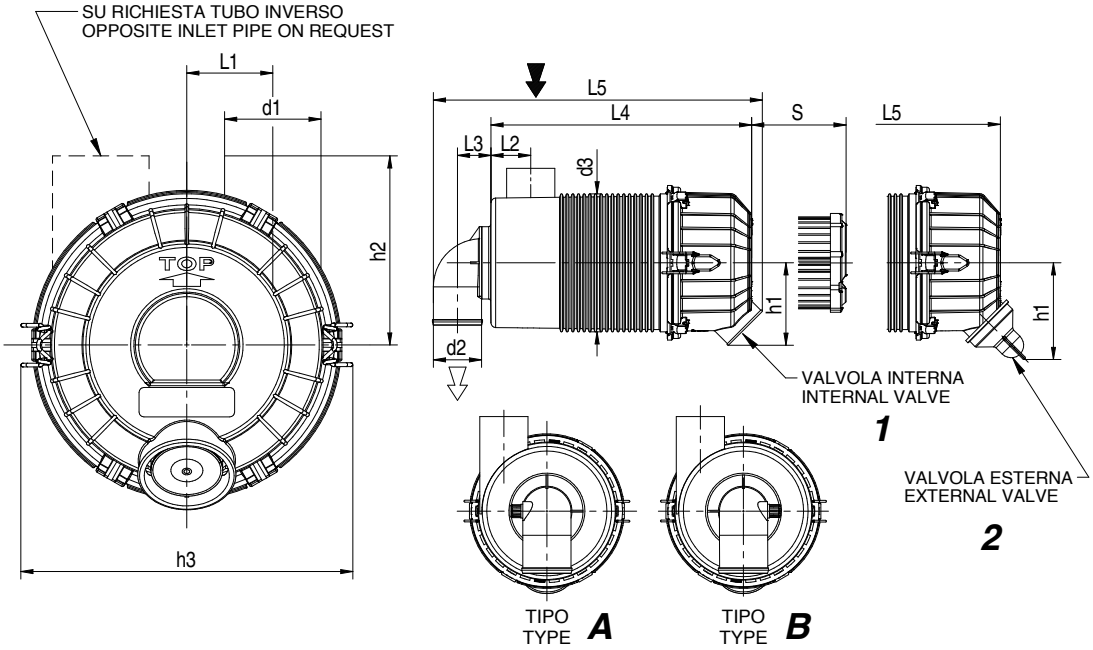
Inch	Code	Type	Valve	Air flow m³/min	Main elements	Safety elements	Dimensions in mm											S
							d1	d2	d3	L1	L2	L3	L4	L5	h1	h2	h3	
4	FR04-1773300	A	1	2,1	CH04-1441200		44	44	122	38,5	35	25	190	228	76	83	155	150
	FR04-1773320	A	1	1,7	CH04-1441200	ST04-1517000	44	44	122	38,5	35	25	190	228	76	83	155	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

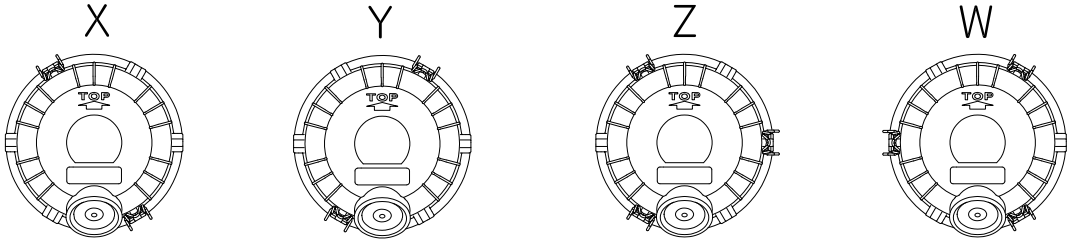
Advantages

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

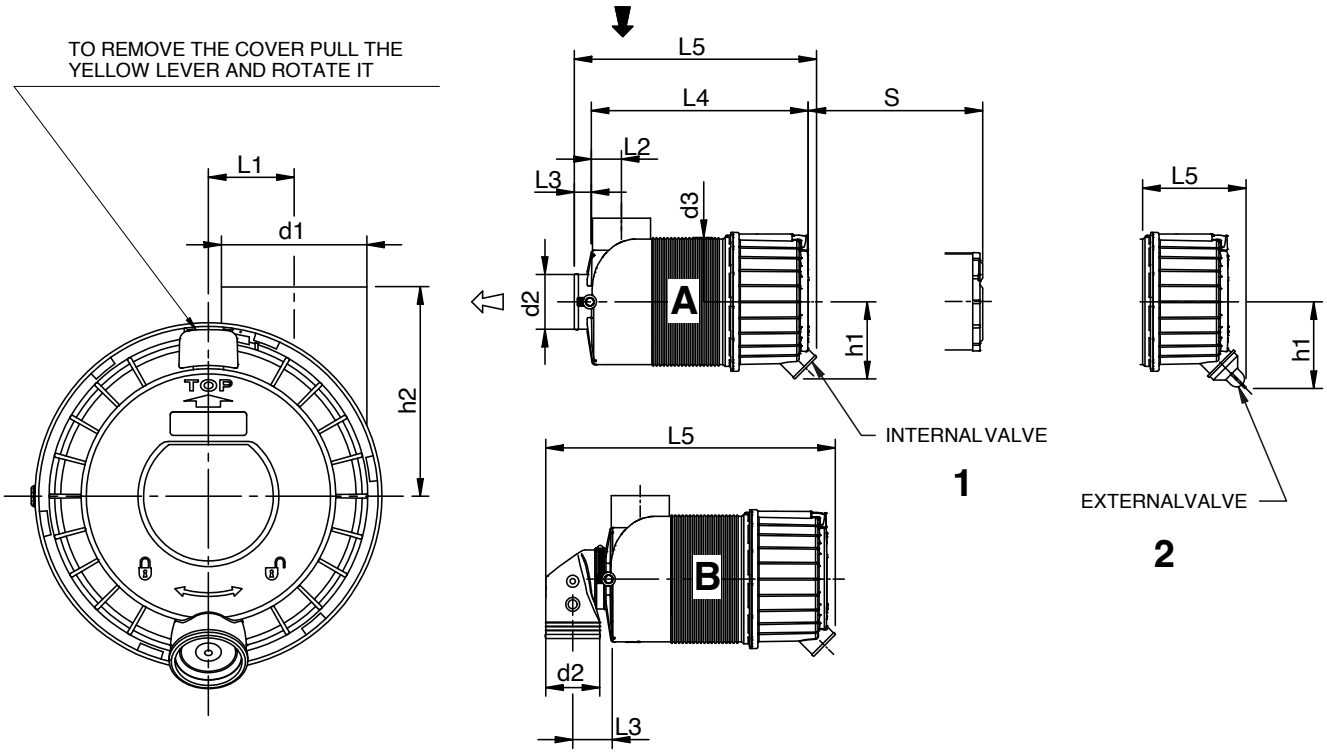
TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

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

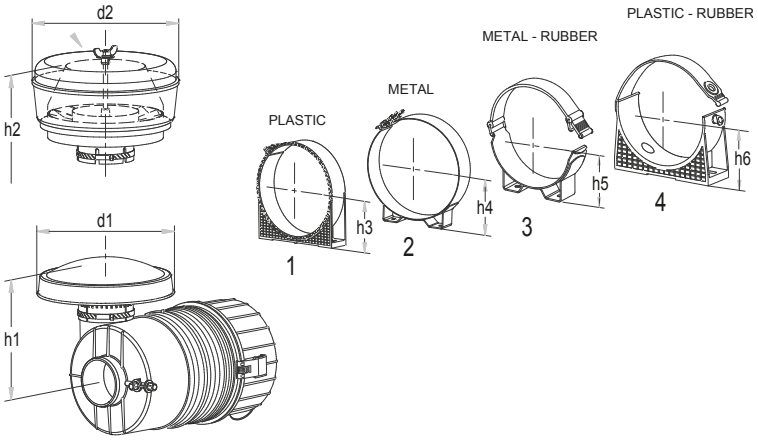


Technical Data

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



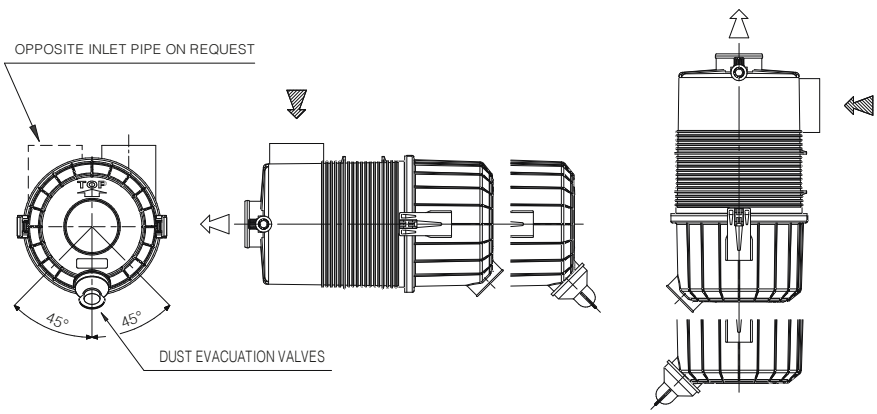
Below proposed accessories are only examples based on dimension match and does not take under consideration impact to other factors like airflow in case of pre-cleaners.

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

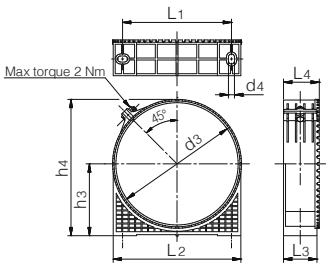
The dust evacuation valve position permit the horizontal and vertical installation of the air cleaner, with the horizontal position the evacuator valve can be rotate until 45° from the vertical line keeping the right operating.



Mounting brackets

Plastic brackets:



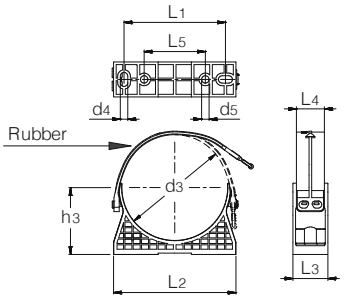


TEMPERATURE OF WORK -35 °C +85 °C (With peaks of + 100 °C)

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:

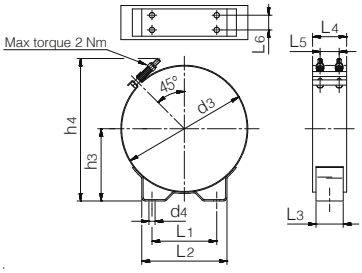




Code	Dimensions in mm								
	d3	d4	d5	L1	L2	L3	L4	L5	h3
CF04-1652400	121	16x8,5	8,5	116	140	40	32	70	76,5
CF05-1694400	144	16x8,5	8,5	136	160	50	32	80	90
CF06-1695000	175	16x8,5	12,5x8,5	153	182	50	38	90	101
CF06-1837000	175	-	12,5x8,5	-	120	50,5	38	90	101
CF07-1695300	183	16x8,5	8,5	163	190	50	38	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.

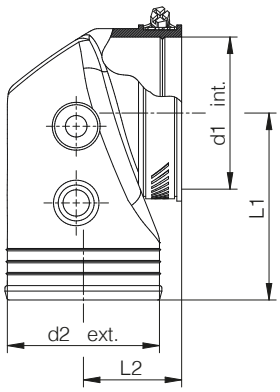
Chosen combination of a filter housing and a welded bracket will have a specific part number dedicated to the Customer.

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

Pipe bends

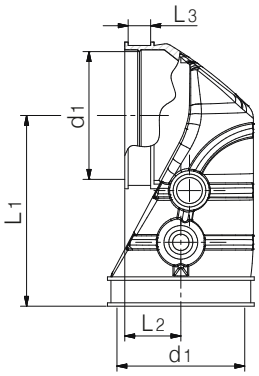
The compact rubber elbow are manufactured to be fitted on the VikoSeal air cleaner with rigid outlet at 90 ° and really compact, 360° rotation is possible. Designed to get the maximum seal with easy install.

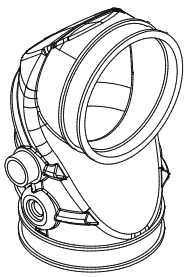




Code	Air cleaner	d1	d2	L1	L2
ET-1695200	FR04	44	44	57	31
ET-1694100	FR05	51	51	66	35,5
ET-1768800	FR05	57	51	68	35,5
ET-1694600	FR06	63,5	63,5	78	41
ET-1694800	FR07	77	76	85	44
ET-1693700	FR08	90,5	89	98	55
ET-1685800	FR09	101	89	105	50,5
ET-1621300	FR10	101	101	120	57







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



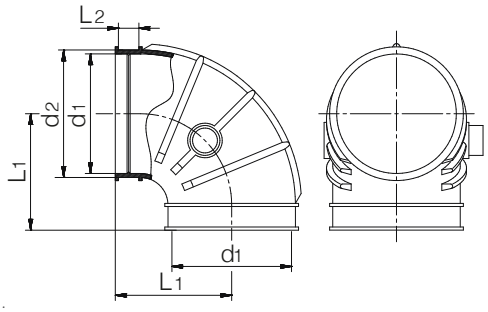
Longday elbow are manufactured of NBR and to garantee the best seal and easier installation. Longday use material which meet the oem requirements.

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

Specifications:

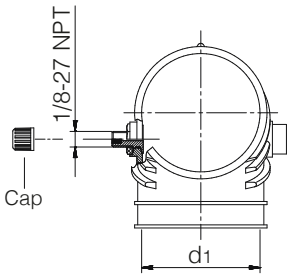
- Temperature working range -30 °C +120 °C with peaks +130 °C
- Resistant to oil and lubricants
- Low restriction
- High resistance to vibrations and implosion
- Suit to medium applications
- Indicator plug and blow by as option
- Good noise absorbtion
- Reliable seal

Rubber pipe



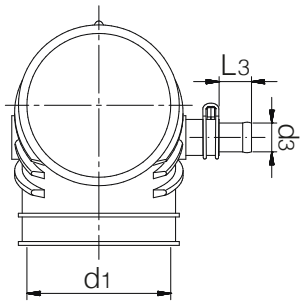
Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1484200	44	49	-	53,5	13	-
ET-1482000	51	55	-	57	13	-
ET-1481400	76	81	-	74	13	-
ET-1482500	89	95	-	81,5	13	-

Pipe bend with connection for service indicator



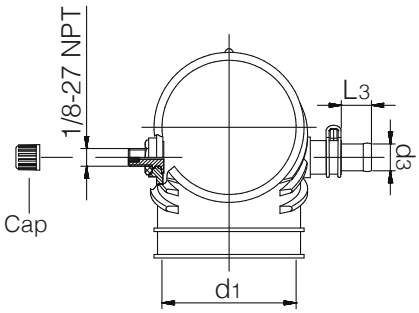
Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1510200	44	-	-	-	-	-
ET-1510800	51	-	-	-	-	-
ET-1511000	76	-	-	-	-	-
ET-1511300	89	-	-	-	-	-

Pipe bend with connection for exhaust



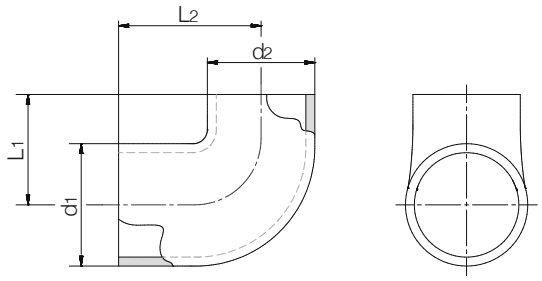
Code	Dimensions in mm					
	d1	d2	d3	L1	L2	L3
ET-1511700	44	-	12	-	-	18
ET-1512200	51	-	12	-	-	18
ET-1511900	76	-	16	-	-	18
ET-1512500	89	-	16	-	-	18

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	-