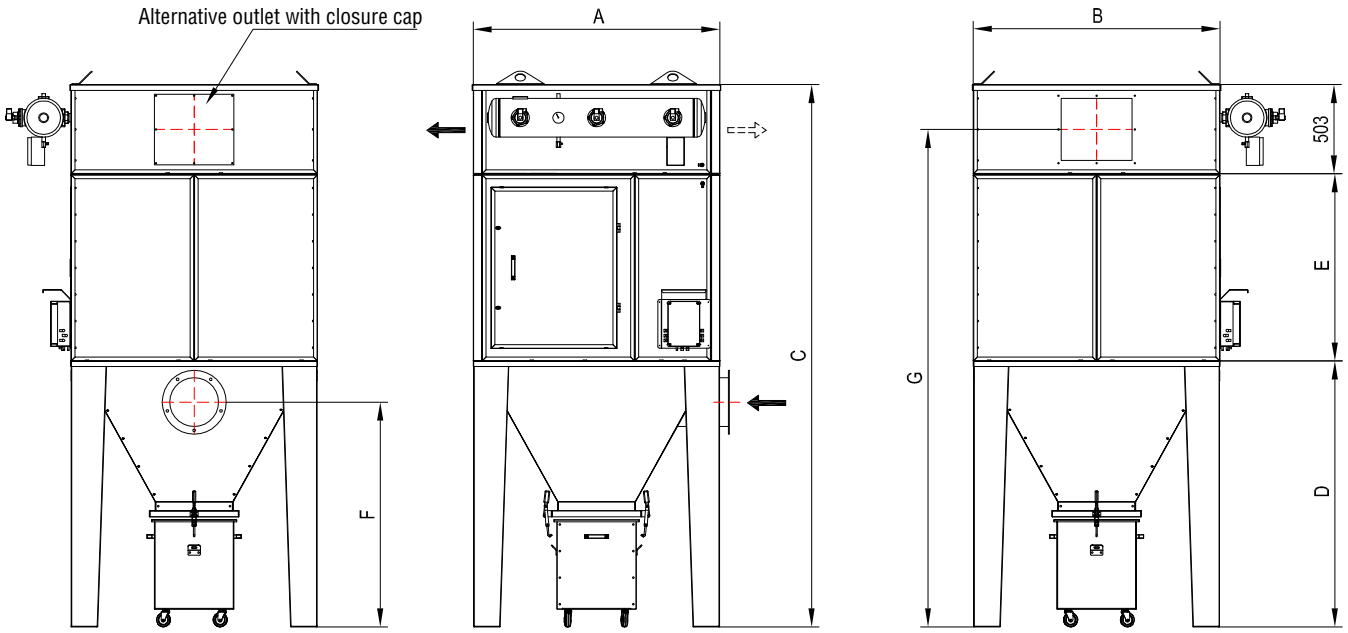

TAMA®
AIR FILTRATION
IBERICA

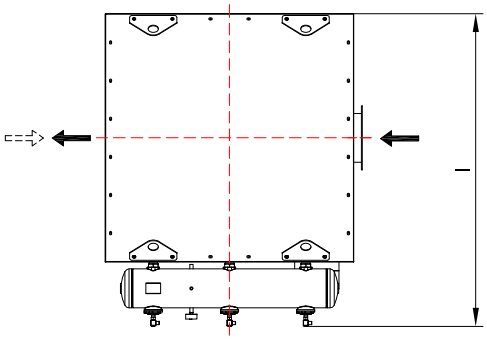
CARTRIDGE FILTER

TAMA®
AIR FILTRATION

The FC cartridge filters with compressed air cleaning, are assembled with zinc-coated and press-shaped modular panels. They are manufactured with a filtering surface that goes from 48 to 291 m^2 and have a technology suitable for dry filtration of all types of dust produced in various industrial processes.
FC filters are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron.
The pulse jet compressed air cleaning is piloted by an economizer that optimizes times and blowing intervals through a differential pressure sensor. The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are not suitable for the use in zones with potentially explosive atmospheres.

CARTRIDGE FILTER





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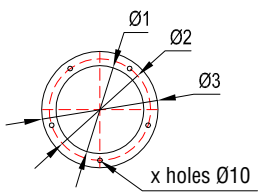

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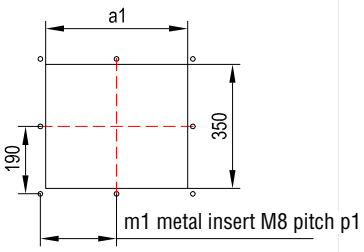


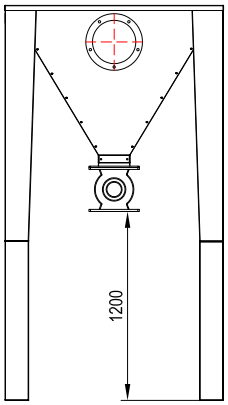
Mod.	Cartriges			Filtering surface	Electrovalves		IN				OUT		
	n.	Ø [mm]	h [mm]	[m²]	n.	Ø	Ø1 [mm]	Ø2 [mm]	Ø3 [mm]	x [n° holes]	a1 [mm]	m1	p1 [mm]
FC - 48	4	325	1000	48	2	1"1/2	200	233	258	6	150	2	180
FC - 58	4	325	1200	58	4	1"1/2	250	281	308	6	200	3	115
FC - 73	6	325	1000	73	3	1"1/2	250	281	308	6	200	3	115
FC - 87	6	325	1200	87	3	1"1/2	280	313	338	6	200	3	115
FC - 109	9	325	1000	109	3	1"1/2	300	333	358	6	250	3	140
FC - 131	9	325	1200	131	3	1"1/2	350	381	408	8	300	3	165
FC - 145	12	325	1000	145	4	1"1/2	350	381	408	8	300	3	165
FC - 175	12	325	1200	175	4	1"1/2	400	433	458	8	400	3	215
FC - 194	16	325	1000	194	4	1"1/2	400	433	458	8	400	3	215
FC - 233	16	325	1200	233	4	1"1/2	450	480	508	10	500	4	177
FC - 242	20	325	1000	242	5	1"1/2	480	513	538	10	600	4	210
FC - 291	20	325	1200	291	5	1"1/2	500	532	558	10	600	4	210

Mod.	DIMENSIONS							
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	I [mm]
FC - 48	960	960	2756	1200	1053	1950	2500	1320
FC - 58	960	960	2956	1200	1253	2150	2700	1320
FC - 73	1390	960	3056	1500	1053	2250	2800	1320
FC - 87	1390	960	3256	1500	1253	2450	3000	1320
FC - 109	1390	1390	3056	1500	1053	2250	2800	1750
FC - 131	1390	1390	3256	1500	1253	2450	3000	1750
FC - 145	1820	1390	3056	1500	1053	2250	2800	1750
FC - 175	1820	1390	3256	1500	1253	2450	3000	1750
FC - 194	1820	1820	3256	1700	1053	2450	3000	2180
FC - 233	1820	1820	3456	1700	1253	2650	3200	2180
FC - 242	2250	1820	3256	1700	1053	2450	3000	2180
FC - 291	2250	1820	3456	1700	1253	2650	3200	2180

Polyester cartridges 271g/m², with Venturi tube in aluminium, available upon request antistatic version and/or with other filtering media

OPTIONAL: dust extraction with rotary valve and extension legs

Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Cast-iron	0,55	20	2	150 x 150
Cast-iron	0,55	20	6	200 x 200
Carbon steel	0,75	20	12	250 x 250
Carbon steel	1,1	20	24	300 x 300



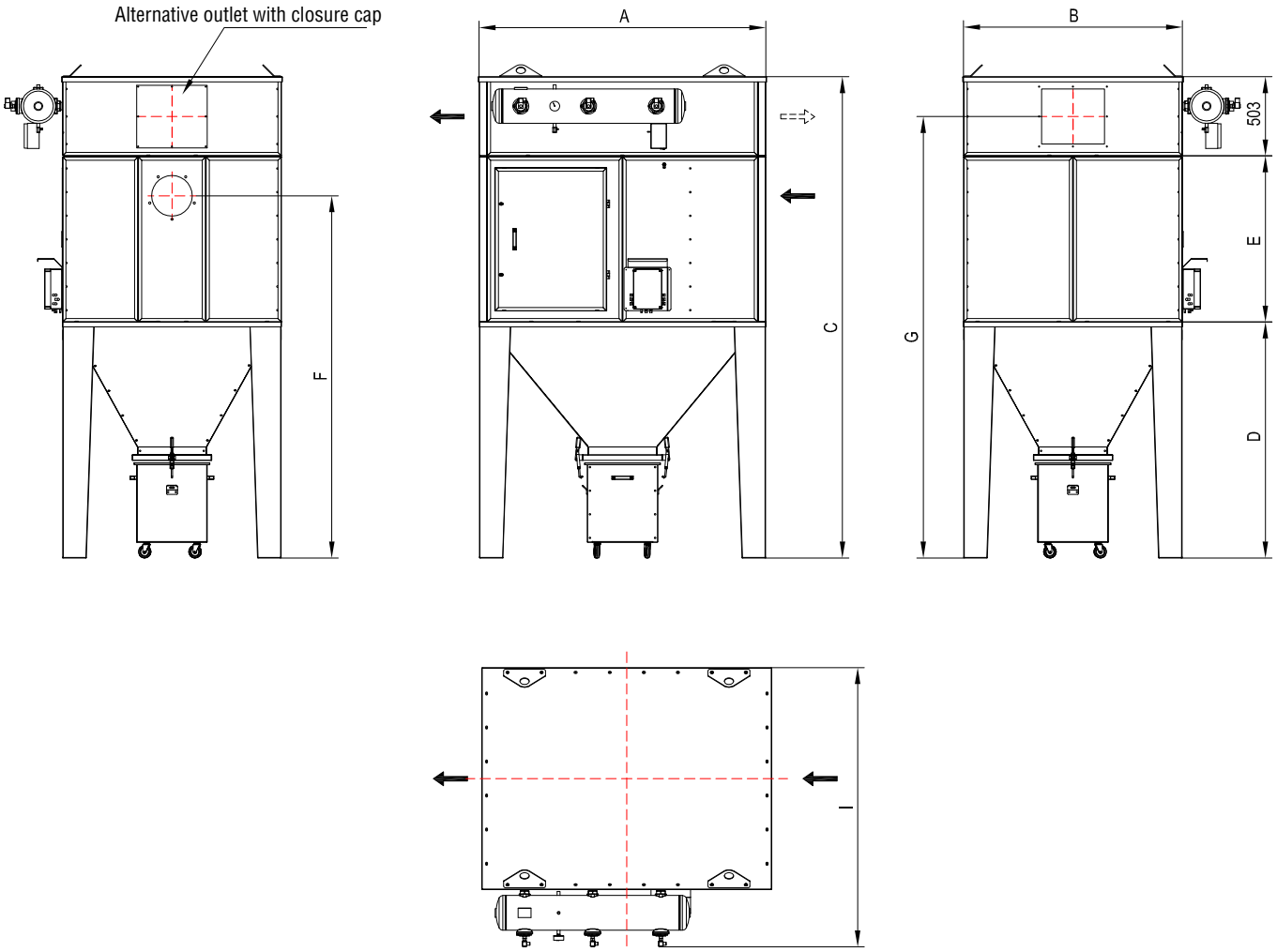
All data included in the present catalogue could be changed and improved.
TAMA Spa reserves the right to modify them without notification.

CARTRIDGE FILTER WITH PRE-CHAMBER

TAMA®
AIR FILTRATION

The FCC cartridge filters with pre-chamber and compressed air cleaning are assembled with zinc-coated and press-shaped modular panels. They are manufactured with a filtering surface that goes from 48 to 291 m^2 and have a technology suitable for dry filtration of all types of dust produced in various industrial processes.
The dusty air containing process residues enters into a pre-chamber which encourages the settling of the heaviest particles. They fall into the hopper and are unloaded by gravity into the bin. FCC filters with pre-chamber are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron.
The pulse jet compressed air cleaning is piloted by an economizer that optimizes times and blowing intervals through a differential pressure sensor. The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are not suitable for the use in zones with potentially explosive atmospheres.

CARTRIDGE FILTER WITH PRE-CHAMBER



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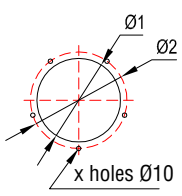

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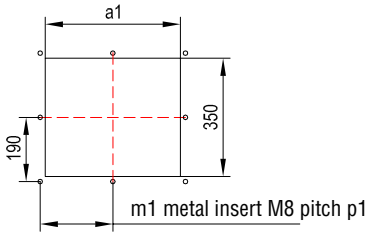


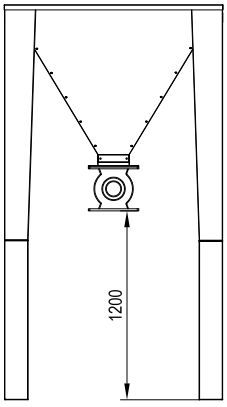
Mod.	Cartriges			Filtering surface	Electrovalves		IN			OUT		
							Ø1	Ø2	x	a1	m1	p1
	n.	Ø [mm]	h [mm]	[m²]	n.	Ø	[mm]	[mm]	[n°inserti]	[mm]		[mm]
FCC - 48	4	325	1000	48	2	1"1/2	200	233	6	150	2	180
FCC - 58	4	325	1200	58	4	1"1/2	250	281	6	200	3	115
FCC - 73	6	325	1000	73	3	1"1/2	250	281	6	200	3	115
FCC - 87	6	325	1200	87	3	1"1/2	280	313	6	200	3	115
FCC - 109	9	325	1000	109	3	1"1/2	300	333	6	250	3	140
FCC - 131	9	325	1200	131	3	1"1/2	350	381	8	300	3	165
FCC - 145	12	325	1000	145	4	1"1/2	350	381	8	300	3	165
FCC - 175	12	325	1200	175	4	1"1/2	400	433	8	400	3	215
FCC - 194	16	325	1000	194	4	1"1/2	400	433	8	400	3	215
FCC - 233	16	325	1200	233	4	1"1/2	450	480	10	500	4	177
FCC - 242	20	325	1000	242	5	1"1/2	480	513	10	600	4	210
FCC - 291	20	325	1200	291	5	1"1/2	500	532	10	600	4	210

Mod.	DIMENSIONS							
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	I [mm]
FCC - 48	1390	960	2756	1200	1053	1950	2500	1320
FCC - 58	1390	960	2956	1200	1253	2150	2700	1320
FCC - 73	1820	960	3056	1500	1053	2250	2800	1320
FCC - 87	1820	960	3256	1500	1253	2450	3000	1320
FCC - 109	1820	1390	3056	1500	1053	2250	2800	1750
FCC - 131	1820	1390	3256	1500	1253	2450	3000	1750
FCC - 145	2250	1390	3056	1500	1053	2250	2800	1750
FCC - 175	2250	1390	3256	1500	1253	2450	3000	1750
FCC - 194	2250	1820	3256	1700	1053	2450	3000	2180
FCC - 233	2250	1820	3456	1700	1253	2650	3200	2180
FCC - 242	2680	1820	3256	1700	1053	2450	3000	2180
FCC - 291	2680	1820	3456	1700	1253	2650	3200	2180

Polyester cartridges 271g/m², with Venturi tube in aluminium, available upon request antistatic version and/or with other filtering media

OPTIONAL: dust extraction with rotary valve and extension legs

Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Cast-iron	0,55	20	2	150 x 150
Cast-iron	0,55	20	6	200 x 200
Carbon steel	0,75	20	12	250 x 250
Carbon steel	1,1	20	24	300 x 300

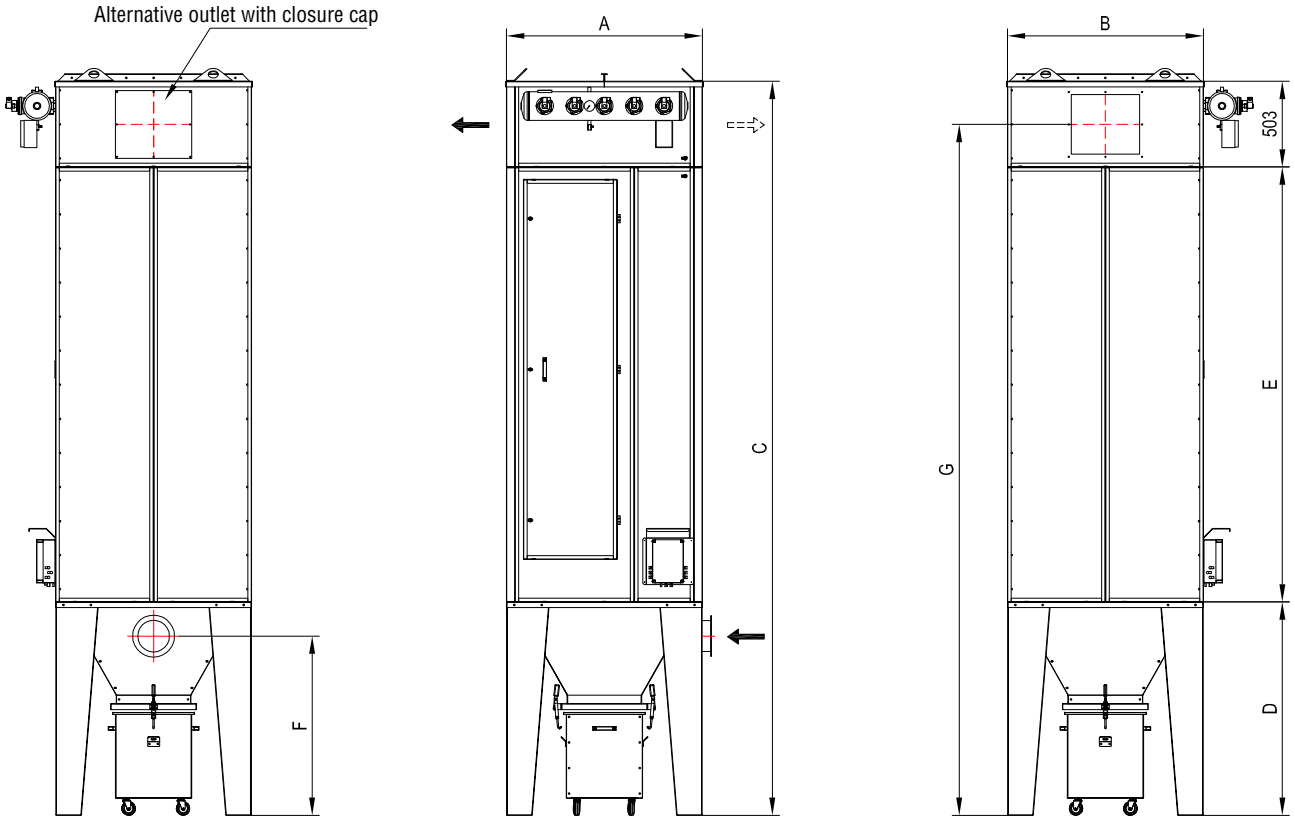


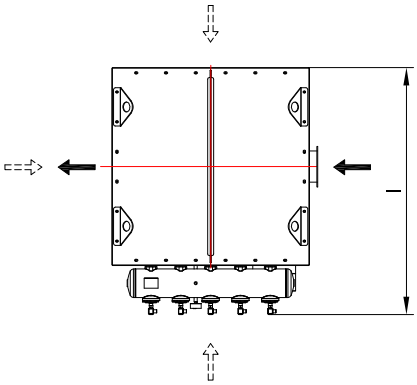
SLEEVE FILTER

TAMA®
AIR FILTRATION

The FM sleeve filters have a wide use in almost all industrial plants wherever you work with dusty materials. They are manufactured with a filtering surface that goes from 19 to 114 m^2 and are mainly formed by a series of permeable sleeves which guarantee the passage only of gas and not particulates. They are manufactured with modular zinc-coated panels. They are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron. As the dust settles on the surface of the filter during the operation, the filter will be cleaned by a system of cyclic counter-current cleaning using compressed air.
The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are not suitable for the use in zones with potentially explosive atmospheres.

SLEEVE FILTER





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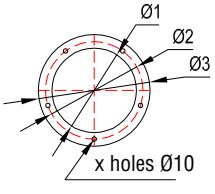

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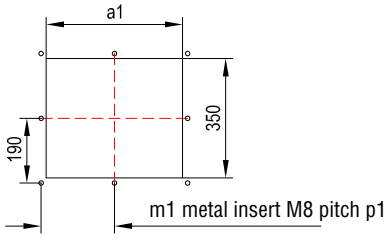
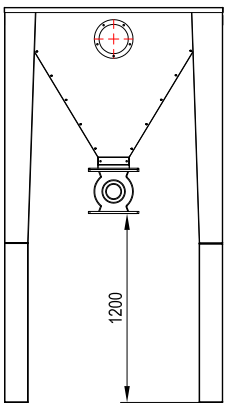


Mod.	Cartriges		Filtering surface	Electrovalves		IN				OUT		
	n..	h [mm]	[m²]	n..	Ø	Ø1 [mm]	Ø2 [mm]	Ø3 [mm]	x [n° fori]	a1 [mm]	m1	p1 [mm]
FM - 19	25	2000	19	5	1"	200	233	258	6	150	2	180
FM - 24	25	2500	24	5	1"	250	281	308	6	200	3	115
FM - 29	25	3000	29	5	1"	280	313	338	6	200	3	115
FM - 28	36	2000	28	6	1"	250	281	308	6	200	3	115
FM - 34	36	2500	34	6	1"	280	313	338	6	200	3	115
FM - 41	36	3000	41	6	1"	300	333	358	6	250	3	140
FM - 38	49	2000	38	7	1"	280	313	338	6	200	3	115
FM - 47	49	2500	47	7	1"	300	333	358	6	250	3	140
FM - 56	49	3000	56	7	1"1/2	350	381	408	8	300	3	165
FM - 49	64	2000	49	8	1"	300	333	358	6	250	3	140
FM - 61	64	2500	61	8	1"	350	381	408	8	300	3	165
FM - 73	64	3000	73	8	1"1/2	400	433	458	8	400	3	215
FM - 62	81	2000	62	9	1"	350	381	408	8	300	3	165
FM - 77	81	2500	77	9	1"	400	433	458	8	400	3	215
FM - 93	81	3000	93	9	1"1/2	450	480	508	10	500	4	177
FM - 76	100	2000	76	10	1"	400	433	458	8	400	3	215
FM - 95	100	2500	95	10	1"	450	480	508	10	500	4	177
FM - 114	100	3000	114	10	1"1/2	480	513	538	10	600	4	210

Mod.	DIMENSIONS							
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	I [mm]
FM - 19	1150	1150	3806	1250	2053	1000	3555	1470
FM - 24	1150	1150	4306	1250	2553	1000	4055	1470
FM - 29	1150	1150	4806	1250	3053	1000	4555	1470
FM - 28	1325	1325	3806	1250	2053	1000	3555	1645
FM - 34	1325	1325	4306	1250	2553	1000	4055	1645
FM - 41	1325	1325	4806	1250	3053	1000	4555	1645
FM - 38	1500	1500	4056	1500	2053	1300	3555	1820
FM - 47	1500	1500	4556	1500	2553	1300	4055	1820
FM - 56	1500	1500	5056	1500	3053	1300	4555	1865
FM - 49	1675	1675	4056	1500	2053	1200	3555	1995
FM - 61	1675	1675	4556	1500	2553	1200	4055	1995
FM - 73	1675	1675	5056	1500	3053	1200	4555	2040
FM - 62	1850	1850	4056	1500	2053	1200	3555	2170
FM - 77	1850	1850	4556	1500	2553	1200	4055	2170
FM - 93	1850	1850	5056	1500	3053	1200	4555	2215
FM - 76	2025	2025	4156	1600	2053	1300	3555	2345
FM - 95	2025	2025	4656	1600	2553	1300	4055	2345
FM - 114	2025	2025	5156	1600	3053	1300	4555	2390

Polyester cartridges 271g/m², with Venturi tube in aluminium, available upon request antistatic version and/or with other filtering media



OPTIONAL: dust extraction with rotary valve and extension legs

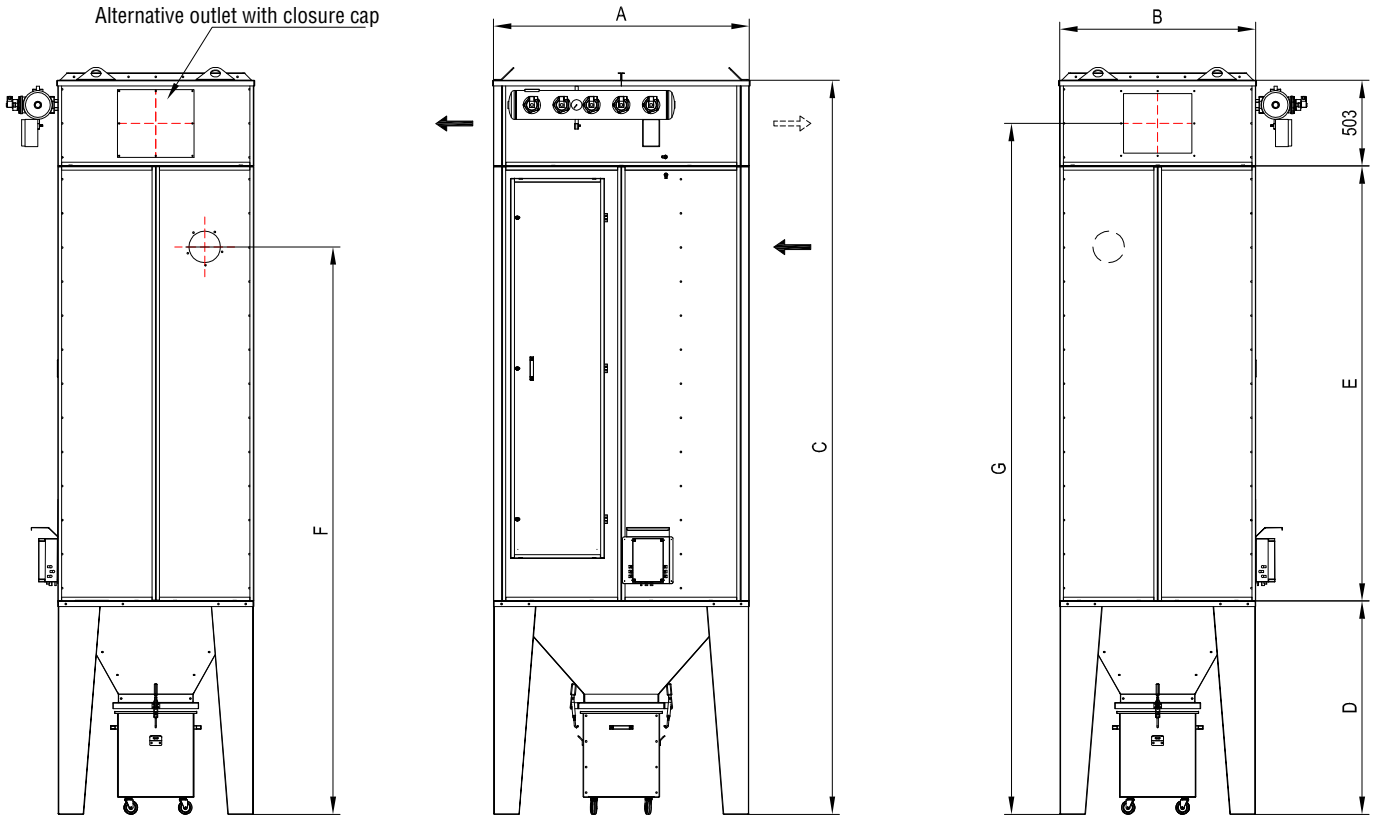
Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Cast-iron	0,55	20	2	150 x 150
Cast-iron	0,55	20	6	200 x 200
Carbon steel	0,75	20	12	250 x 250
Carbon steel	1,1	20	24	300 x 300

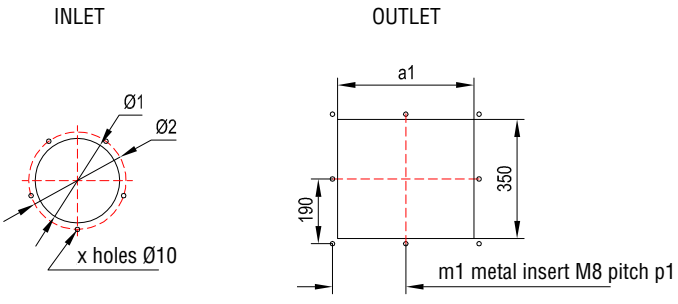
SLEEVE FILTER WITH PRE-CHAMBER

TAMA®
AIR FILTRATION

The sleeve filters FMC have a wide use in almost all industrial plants wherever you work with dusty materials. They are manufactured with a filtering surface that goes from 19 to 114 m^2 and are mainly formed by a series of permeable sleeves which guarantee the passage only of gas and not of particulates.
The dusty air is inserted into the filter section after having passed through a pre-chamber. It is responsible for breaking down the biggest pollutant particles and for distributing evenly airflow over all the filter section. This ensures a more efficient particulate abatement and avoids the sleeves obstruction phenomenon.
They are manufactured with modular zinc-coated panels. They are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron. As the dust settles on the surface of the filter during the operation, the filter will be cleaned by a system of cyclic counter-current cleaning using compressed air. The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are not suitable for the use in zones with potentially explosive atmospheres.

SLEEVE FILTER WITH PRE-CHAMBER





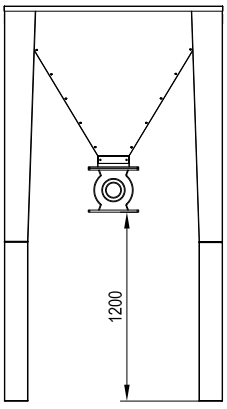
Mod.	Cartriges		Filtering surface	Electrovalves		IN			OUT		
	n..	h [mm]	[m²]	n..	Ø	Ø1 [mm]	Ø2 [mm]	x [n° fori]	a1 [mm]	m1	p1 [mm]
FMC - 19	25	2000	19	5	1"	200	233	6	150	2	180
FMC - 24	25	2500	24	5	1"	250	281	6	200	3	115
FMC - 29	25	3000	29	5	1"	280	313	6	200	3	115
FMC - 28	36	2000	28	6	1"	250	281	6	200	3	115
FMC - 34	36	2500	34	6	1"	280	313	6	200	3	115
FMC - 41	36	3000	41	6	1"	300	333	6	250	3	140
FMC - 38	49	2000	38	7	1"	280	313	6	200	3	115
FMC - 47	49	2500	47	7	1"	300	333	6	250	3	140
FMC - 56	49	3000	56	7	1"1/2	350	381	8	300	3	165
FMC - 49	64	2000	49	8	1"	300	333	6	250	3	140
FMC - 61	64	2500	61	8	1"	350	381	8	300	3	165
FMC - 73	64	3000	73	8	1"1/2	400	433	8	400	3	215
FMC - 62	81	2000	62	9	1"	350	381	8	300	3	165
FMC - 77	81	2500	77	9	1"	400	433	8	400	3	215
FMC - 93	81	3000	93	9	1"1/2	450	480	10	500	4	177
FMC - 76	100	2000	76	10	1"	400	433	8	400	3	215
FMC - 95	100	2500	95	10	1"	450	480	10	500	4	177
FMC - 114	100	3000	114	10	1"1/2	480	513	10	600	4	210

Mod.	DIMENSIONS						
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
FMC - 19	1500	1150	3806	1250	2053	3000	1470
FMC - 24	1500	1150	4306	1250	2553	3500	1470
FMC - 29	1500	1150	4806	1250	3053	4000	1470
FMC - 28	1675	1325	3806	1250	2053	3000	1645
FMC - 34	1675	1325	4306	1250	2553	3500	1645
FMC - 41	1675	1325	4806	1250	3053	4000	1645
FMC - 38	1850	1500	4056	1500	2053	3000	1820
FMC - 47	1850	1500	4556	1500	2553	3500	1820
FMC - 56	1850	1500	5056	1500	3053	4000	1865
FMC - 49	2025	1675	4056	1500	2053	3000	1995
FMC - 61	2025	1675	4556	1500	2553	3500	1995
FMC - 73	2025	1675	5056	1500	3053	4000	2040
FMC - 62	2200	1850	4056	1500	2053	3000	2170
FMC - 77	2200	1850	4556	1500	2553	3500	2170
FMC - 93	2200	1850	5056	1500	3053	4000	2215
FMC - 76	2375	2025	4156	1600	2053	3000	2345
FMC - 95	2375	2025	4656	1600	2553	3500	2345
FMC - 114	2375	2025	5156	1600	3053	4000	2390

Polyester sleeves 500 g/m2 mit Venturi in ABS, supplied on request in antistatic version and/or other filtering media

OPTIONAL: dust extraction with rotary valve and extension legs

Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Cast-iron	0,55	20	2	150 x 150
Cast-iron	0,55	20	6	200 x 200
Carbon steel	0,75	20	12	250 x 250
Carbon steel	1,1	20	24	300 x 300

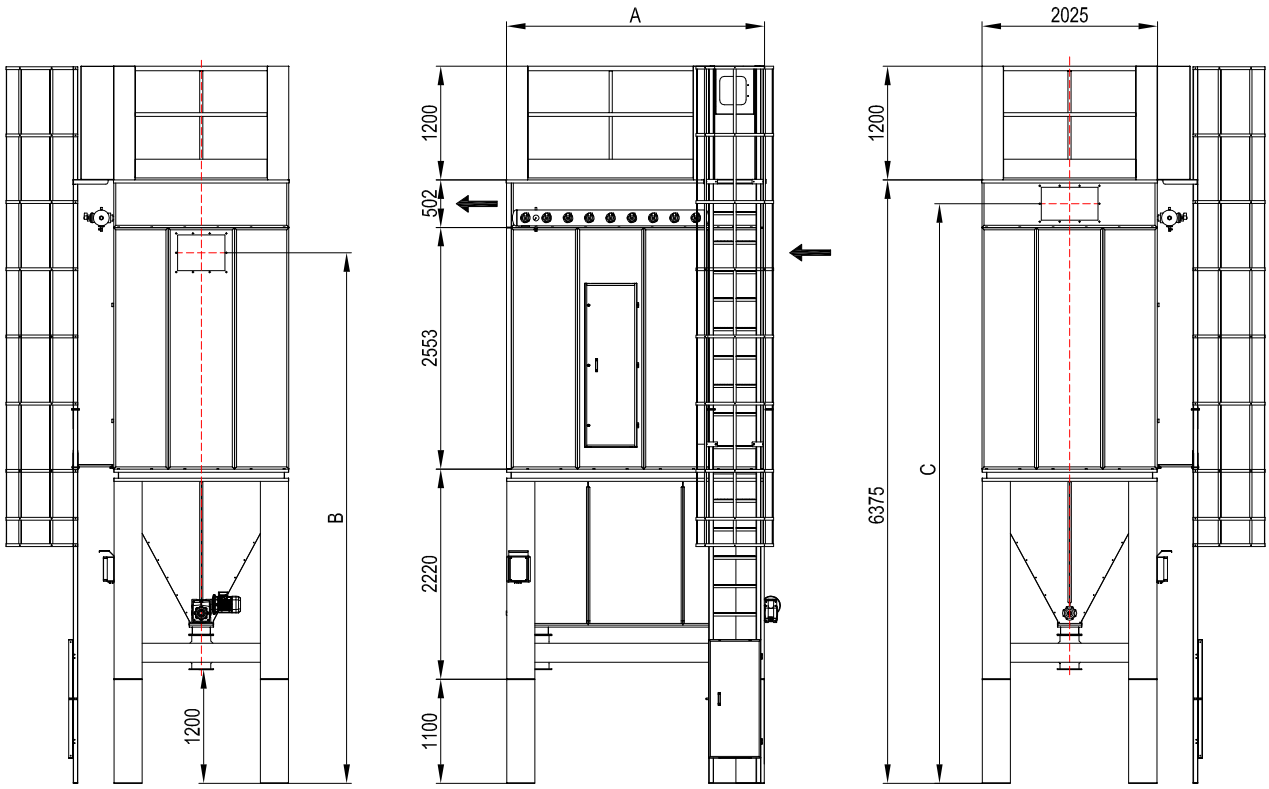


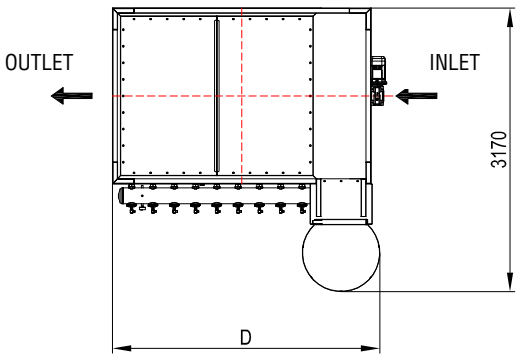
FILTERING SUBSTATION

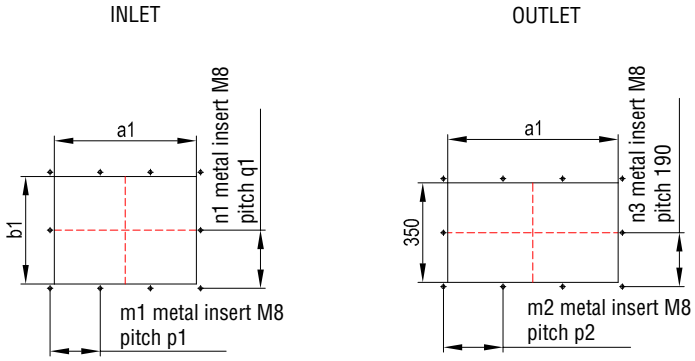
TAMA®
AIR FILTRATION

The STC series of filtering substations with counter-current cleaning are designed for the dust removal deriving from industrial processes. They are assembled with zinc-coated and press-shaped modular panels and contain a series of sleeves on parallel rows, stretched by zinc-coated mesh baskets. The sleeves cleaning is achieved with a compressed air system controlled by electro-valves. The filtered dust is then collected and conveyed by means of a screw conveyor and a rotary valve. The STC series is not suitable for the use in zones with potentially explosive atmospheres.

FILTERING SUBSTATION







Mod.	Cartriges		Filtering surface	Electrovalves		IN						OUT		
	n.	h [mm]	[m²]	n.	Ø	a1 [mm]	m1	p1	b1 [mm]	n1	q1	a2 [mm]	m2	p2 [mm]
STC - 70	72	2500	70	8	1"	350	3	190	350	3	190	350	3	190
STC - 84	72	3000	84	8	1"	400	3	215	400	3	215	450	4	160
STC - 104	108	2500	104	12	1"	450	4	160	450	4	160	600	4	210
STC - 125	108	3000	125	12	1"	500	4	177	500	4	177	700	5	183
STC - 139	144	2500	139	16	1"	550	4	193	550	4	193	850	6	176
STC - 167	144	3000	167	16	1"	580	4	203	580	4	203	950	6	196
STC - 174	180	2500	174	20	1"	600	4	210	600	4	210	1050	6	216
STC - 209	180	3000	209	20	1"	600	4	210	650	5	170	1150	7	197
STC - 208	216	2500	208	24	1"	600	4	210	650	5	170	1150	7	197
STC - 250	216	3000	250	24	1"	600	4	210	750	5	195	1410	9	180
STC - 242	252	2500	242	28	1"	600	4	210	750	5	195	1410	9	180
STC - 292	252	3000	292	28	1"	600	4	210	900	6	186	1730	9	220

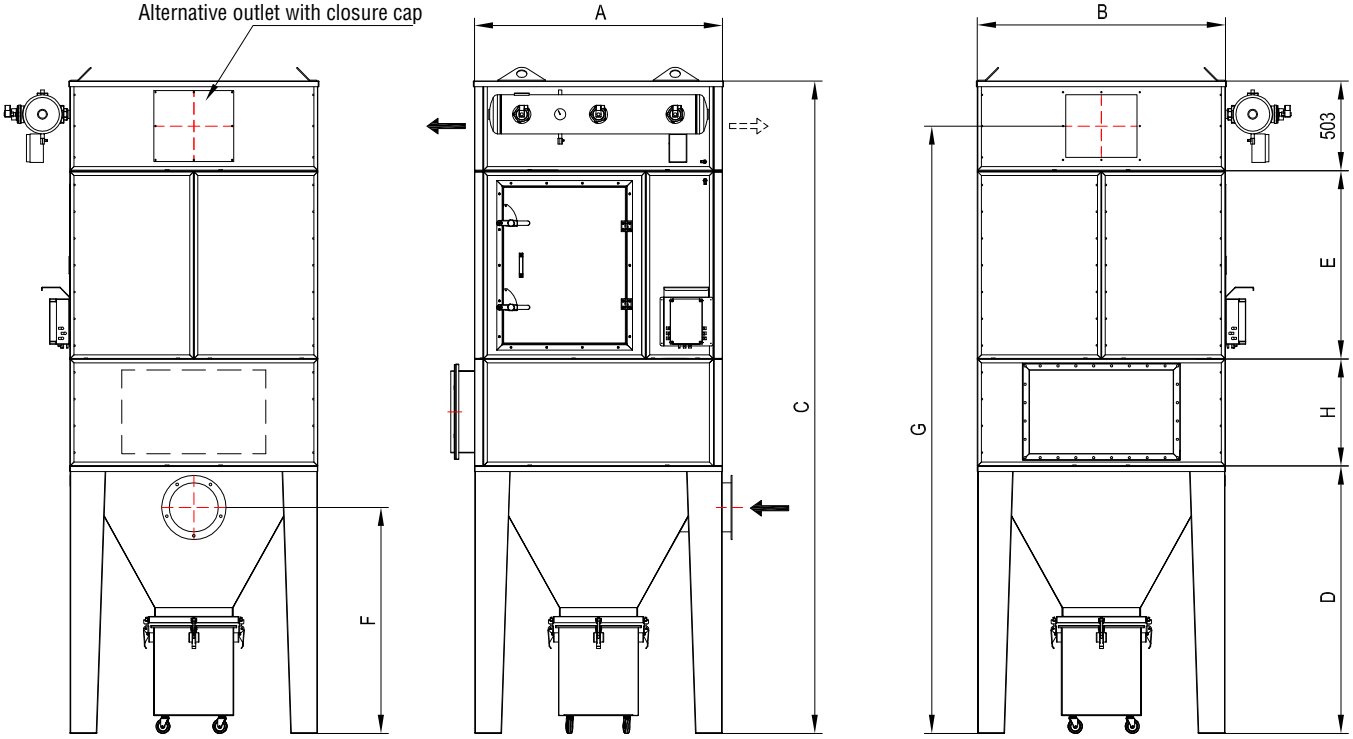
Mod.	DIMENSIONS				
	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]
STC - 70	2550	5600	6120	2652	6375
STC - 84	2550	6100	6620	2652	6875
STC - 104	3425	5600	6120	3527	6375
STC - 125	3425	6100	6620	3527	6875
STC - 139	4475	5600	6120	4577	6375
STC - 167	4475	6100	6620	4577	6875
STC - 174	5350	5600	6120	5452	6375
STC - 209	5350	6100	6620	5452	6875
STC - 208	6575	5600	6120	6677	6375
STC - 250	6575	6100	6620	6677	6875
STC - 242	7625	5600	6120	7727	6375
STC - 292	7625	6100	6620	7727	6875

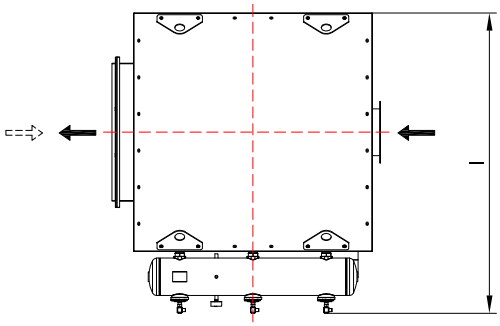
Polyester sleeves 500 g/m2 mit Venturi in ABS, supplied on request in antistatic version and/or other filtering media

Dust extraction with rotary valve

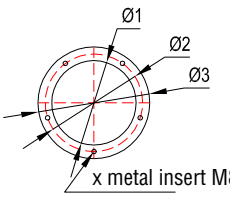
Blade type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Rubber with net	0,75	22	7	250x130
Vulkolan	0,55	22	7	250x130
Rubber with net	0,55	22	25	350x190
Vulkolan	0,75	35	42	350x190

ATEX CARTRIDGE FILTERS

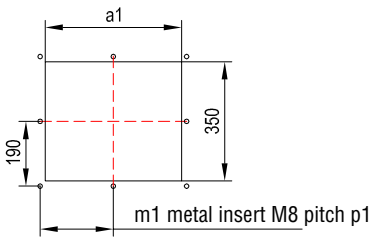




INLET



OUTLET



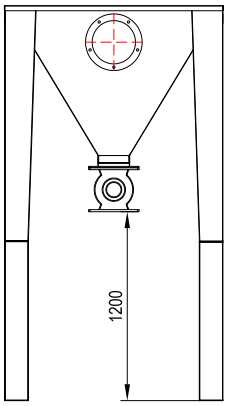
Mod.	Cartriges			Filtering surface	Electrovalves		IN				OUT		
	n.	Ø [mm]	h [mm]	[m²]	n.	Ø	Ø1 [mm]	Ø2 [mm]	Ø3 [mm]	x [n° fori]	a1 [mm]	m1	p1 [mm]
XC - 48	4	325	1000	48	2	1"1/2	200	233	258	6	150	2	180
XC - 58	4	325	1200	58	4	1"1/2	250	281	308	6	200	3	115
XC - 73	6	325	1000	73	3	1"1/2	250	281	308	6	200	3	115
XC - 87	6	325	1200	87	3	1"1/2	280	313	338	6	200	3	115
XC - 109	9	325	1000	109	3	1"1/2	300	333	358	6	250	3	140
XC - 131	9	325	1200	131	3	1"1/2	350	381	408	8	300	3	165
XC - 145	12	325	1000	145	4	1"1/2	350	381	408	8	300	3	165
XC - 175	12	325	1200	175	4	1"1/2	400	433	458	8	400	3	215
XC - 194	16	325	1000	194	4	1"1/2	400	433	458	8	400	3	215
XC - 233	16	325	1200	233	4	1"1/2	450	480	508	10	500	4	177
XC - 242	20	325	1000	242	5	1"1/2	480	513	538	10	600	4	210
XC - 291	20	325	1200	291	5	1"1/2	500	532	558	10	600	4	210

Mod.	DIMENSIONS									OUTLET AREA
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	[m²]
XC - 48	960	960	3356	1200	1053	1950	3100	600	1320	0,33
XC - 58	960	960	3556	1200	1253	2150	3300	600	1320	0,33
XC - 73	1390	960	3656	1500	1053	2250	3400	600	1320	0,33
XC - 87	1390	960	3856	1500	1253	2450	3600	600	1320	0,33
XC - 109	1390	1390	3656	1500	1053	2250	3400	600	1750	0,33
XC - 131	1390	1390	3856	1500	1253	2450	3600	600	1750	0,33
XC - 145	1820	1390	4056	1500	1053	2250	3800	1000	1750	0,66
XC - 175	1820	1390	4246	1500	1253	2450	4000	1000	1750	0,66
XC - 194	1820	1820	4256	1700	1053	2450	4000	1000	2180	0,66
XC - 233	1820	1820	4456	1700	1253	2650	4200	1000	2180	0,66
XC - 242	2250	1820	4256	1700	1053	2450	4000	1000	2180	0,66
XC - 291	2250	1820	4456	1700	1253	2650	4200	1000	2180	0,66

Polyester cartridges 271g/m², with Venturi tube in aluminium

OPTIONAL: dust extraction with rotary valve and extension legs

Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Cast-iron	0,55	20	2	150 x 150
Cast-iron	0,55	20	6	200 x 200
Carbon steel	0,75	20	12	250 x 250
Carbon steel	1,1	20	24	300 x 300



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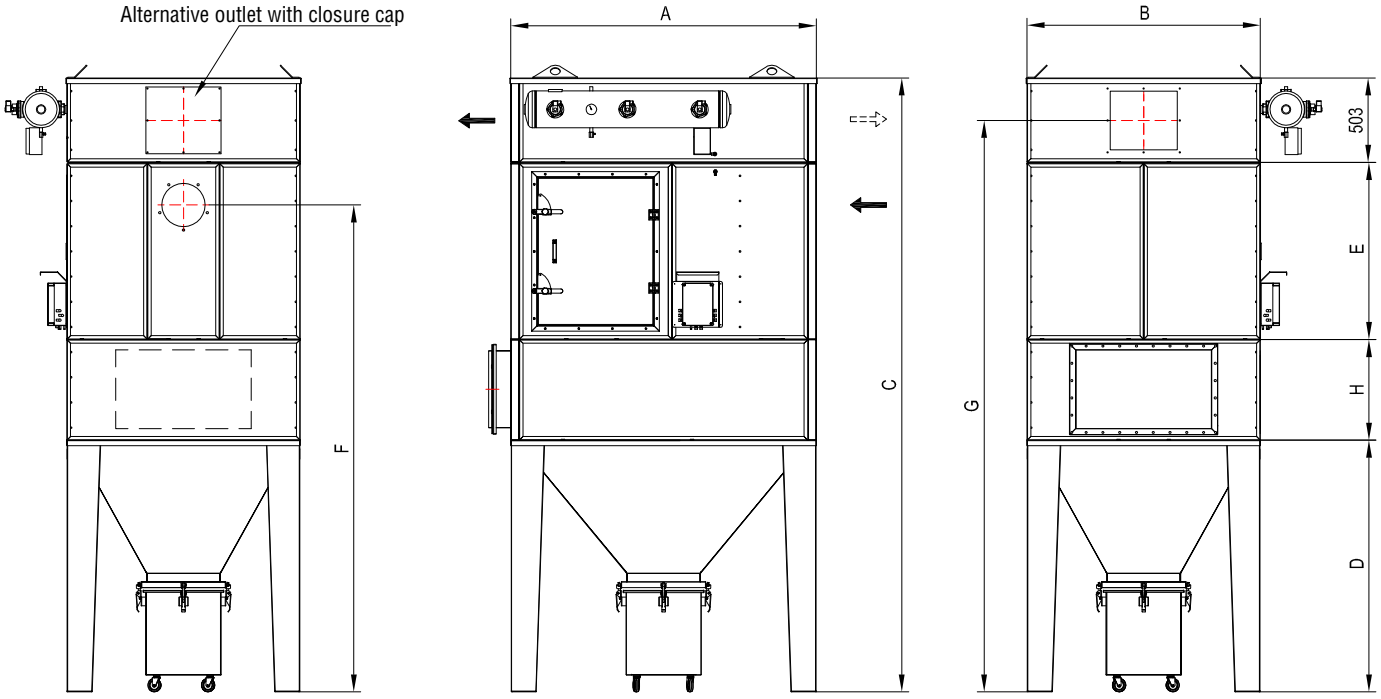
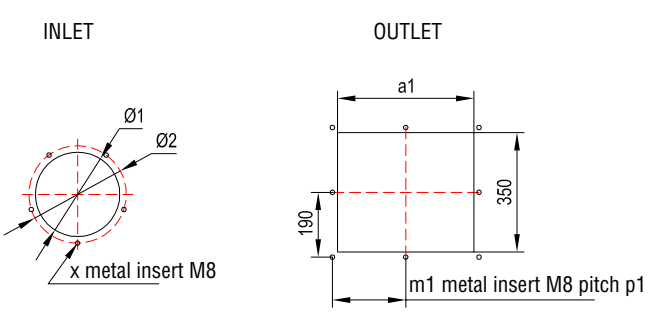
ATEX CARTRIDGE FILTERS WITH PRE-CHAMBER

TAMA®
AIR FILTRATION

The XCC cartridge filters with pre-chamber and compressed air cleaning, are designed to be fitted with the ATEX Directive 94/9/EC and are assembled with zinc-coated and press-shaped modular panels. They are manufactured with a filtering surface that goes from 48 to 291 m^2 and have a technology suitable for dry filtration of all types of dust produced in various industrial processes. The dusty air containing process residues enters into a pre-chamber which encourages the settling of the heaviest particles. They fall into the hopper and are unloaded by gravity into the bin.
XCC filters with pre-chamber are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron.
The pulse jet compressed air cleaning is piloted by an economizer that optimizes times and blowing intervals through a differential pressure sensor. The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are suitable for the use in zones with potentially explosive atmospheres and dust ST1 class according to the certification string II 3 D Ex tD A22 T200° C -10° C 40° ← T ← C.

ATEX CARTRIDGE FILTERS WITH PRE-CHAMBER





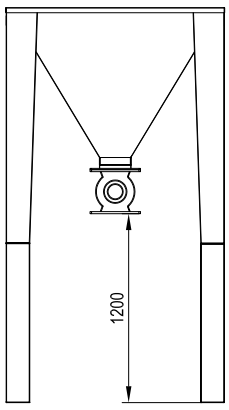
Mod.	Cartriges			Filtering surface	Electrovalves		IN			OUT		
	n.	Ø [mm]	h [mm]	[m²]	n.	Ø	Ø1 [mm]	Ø2 [mm]	x [n° fori]	a1 [mm]	m1	p1 [mm]
XCC - 48	4	325	1000	48	2	1"1/2	200	233	6	150	2	180
XCC - 58	4	325	1200	58	4	1"1/2	250	281	6	200	3	115
XCC - 73	6	325	1000	73	3	1"1/2	250	281	6	200	3	115
XCC - 87	6	325	1200	87	3	1"1/2	280	313	6	200	3	115
XCC - 109	9	325	1000	109	3	1"1/2	300	333	6	250	3	140
XCC - 131	9	325	1200	131	3	1"1/2	350	381	8	300	3	165
XCC - 145	12	325	1000	145	4	1"1/2	350	381	8	300	3	165
XCC - 175	12	325	1200	175	4	1"1/2	400	433	8	400	3	215
XCC - 194	16	325	1000	194	4	1"1/2	400	433	8	400	3	215
XCC - 233	16	325	1200	233	4	1"1/2	450	480	10	500	4	177
XCC - 242	20	325	1000	242	5	1"1/2	480	513	10	600	4	210
XCC - 291	20	325	1200	291	5	1"1/2	500	532	10	600	4	210

Mod.	DIMENSIONS									OUTLET AREA
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	[m²]
XCC - 48	1390	960	3356	1200	1053	1950	3100	600	1320	0,33
XCC - 58	1390	960	3556	1200	1253	2150	3300	600	1320	0,33
XCC - 73	1820	960	3656	1500	1053	2250	3400	600	1320	0,33
XCC - 87	1820	960	3856	1500	1253	2450	3600	600	1320	0,33
XCC - 109	1820	1390	3656	1500	1053	2250	3400	600	1750	0,33
XCC - 131	1820	1390	3856	1500	1253	2450	3600	600	1750	0,33
XCC - 145	2250	1390	4056	1500	1053	2250	3800	1000	1750	0,66
XCC - 175	2250	1390	4246	1500	1253	2450	4000	1000	1750	0,66
XCC - 194	2250	1820	4256	1700	1053	2450	4000	1000	2180	0,66
XCC - 233	2250	1820	4456	1700	1253	2650	4200	1000	2180	0,66
XCC - 242	2680	1820	4256	1700	1053	2450	4000	1000	2180	0,66
XCC - 291	2680	1820	4456	1700	1253	2650	4200	1000	2180	0,66

Polyester cartridges 271g/m², with Venturi tube in aluminium

OPTIONAL: dust extraction with rotary valve and extension legs

Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Cast-iron	0,55	20	2	150 x 150
Cast-iron	0,55	20	6	200 x 200
Carbon steel	0,75	20	12	250 x 250
Carbon steel	1,1	20	24	300 x 300

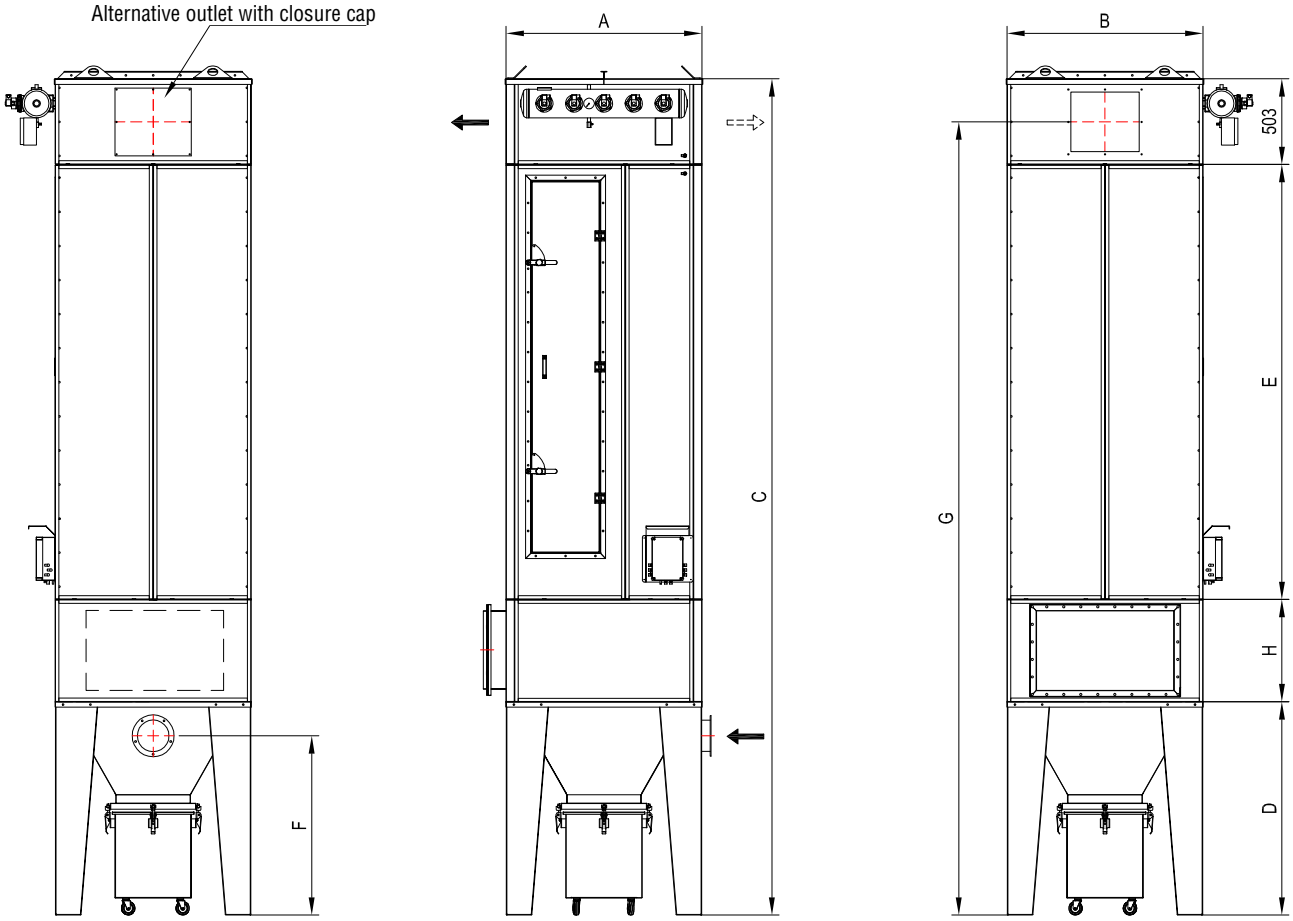


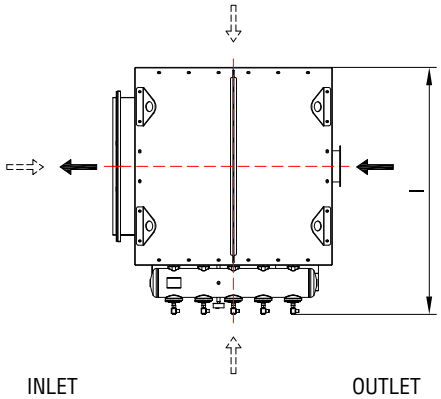
ATEX SLEEVE FILTER

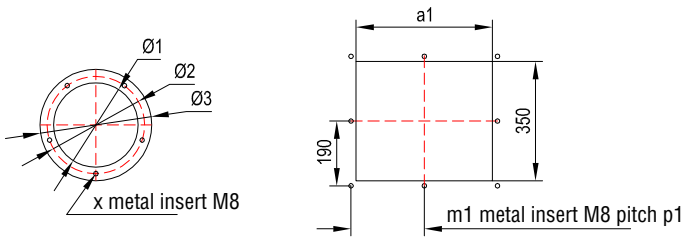
TAMA®
AIR FILTRATION

The sleeve filter XM have a wide use in almost all industrial plants wherever you work with dusty materials. They are manufactured with a filtering surface that goes from 19 to 114 m^2 and are mainly formed by a series of permeable sleeves which guarantee the passage only of gas and not of particulates. They are designed to be fitted with the ATEX Directive 94/9/EC and are assembled with zinc-coated and press-shaped modular panels. They are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron. As the dust settles on the surface of the filter during the operation, the filter will be cleaned by a system of cyclic counter-current cleaning using compressed air. The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are suitable for the use in zones with potentially explosive atmospheres and dust ST1 class according to the certification string II 3 D Ex tD A22 T200° C -10° C 40° ← T ← C.

ATEX SLEEVE FILTER







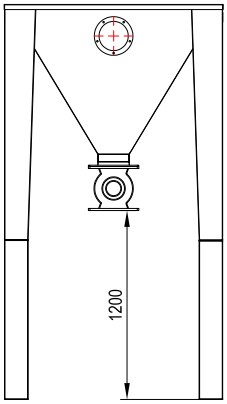
Mod.	Sleeves		Sup filtrante	Elettrovalvole		IN				OUT		
						Ø1	Ø2	Ø3	x	a1	m1	p1
	n.	h [mm]	[m²]	n.	Ø	[mm]	[mm]	[mm]	[n° fori]	[mm]		[mm]
XM - 19	25	2000	19	5	1"	200	233	258	6	150	2	180
XM - 24	25	2500	24	5	1"	250	281	308	6	200	3	115
XM - 29	25	3000	29	5	1"	280	313	338	6	200	3	115
XM - 28	36	2000	28	6	1"	250	281	308	6	200	3	115
XM - 34	36	2500	34	6	1"	280	313	338	6	200	3	115
XM - 41	36	3000	41	6	1"	300	333	358	6	250	3	140
XM - 38	49	2000	38	7	1"	280	313	338	6	200	3	115
XM - 47	49	2500	47	7	1"	300	333	358	6	250	3	140
XM - 56	49	3000	56	7	1"1/2	350	381	408	8	300	3	165
XM - 49	64	2000	49	8	1"	300	333	358	6	250	3	140
XM - 61	64	2500	61	8	1"	350	381	408	8	300	3	165
XM - 73	64	3000	73	8	1"1/2	400	433	458	8	400	3	215
XM - 62	81	2000	62	9	1"	350	381	408	8	300	3	165
XM - 77	81	2500	77	9	1"	400	433	458	8	400	3	215
XM - 93	81	3000	93	9	1"1/2	450	480	508	10	500	4	177
XM - 76	100	2000	76	10	1"	400	433	458	8	400	3	215
XM - 95	100	2500	95	10	1"	450	480	508	10	500	4	177
XM - 114	100	3000	114	10	1"1/2	480	513	538	10	600	4	210

Mod.	DIMENSIONS									OUTLET AREA
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	[m²]
XM - 19	1150	1150	4406	1250	2053	1000	4155	600	1470	0,33
XM - 24	1150	1150	4906	1250	2553	1000	4655	600	1470	0,33
XM - 29	1150	1150	5406	1250	3053	1000	5155	600	1470	0,33
XM - 28	1325	1325	4406	1250	2053	1000	4155	600	1645	0,33
XM - 34	1325	1325	4906	1250	2553	1000	4655	600	1645	0,33
XM - 41	1325	1325	5406	1250	3053	1000	5155	600	1645	0,33
XM - 38	1500	1500	5056	1500	2053	1300	4555	1000	1820	0,66
XM - 47	1500	1500	5556	1500	2553	1300	5055	1000	1820	0,66
XM - 56	1500	1500	6056	1500	3053	1300	5555	1000	1865	0,66
XM - 49	1675	1675	5056	1500	2053	1200	4555	1000	1995	0,66
XM - 61	1675	1675	5556	1500	2553	1200	5055	1000	1995	0,66
XM - 73	1675	1675	6056	1500	3053	1200	5555	1000	2040	0,66
XM - 62	1850	1850	5056	1500	2053	1200	4555	1000	2170	0,99
XM - 77	1850	1850	5556	1500	2553	1200	5055	1000	2170	0,99
XM - 93	1850	1850	6056	1500	3053	1200	5555	1000	2215	0,99
XM - 76	2025	2025	5156	1600	2053	1300	4555	1000	2345	0,99
XM - 95	2025	2025	5656	1600	2553	1300	5055	1000	2345	0,99
XM - 114	2025	2025	6156	1600	3053	1300	5555	1000	2390	0,99

Antistatic polyester sleeves 500 g/m² with Venturi in aluminium

OPTIONAL: dust extraction with rotary valve and extension legs

Tipo di rotore	Potenza [kW]	RPM	Portata [m³/h]	Dim. bocca di scarico [mm]
Ghisa	0,55	20	2	150 x 150
Ghisa	0,55	20	6	200 x 200
Acciaio al carbonio	0,75	20	12	250 x 250
Acciaio al carbonio	1,1	20	24	300 x 300



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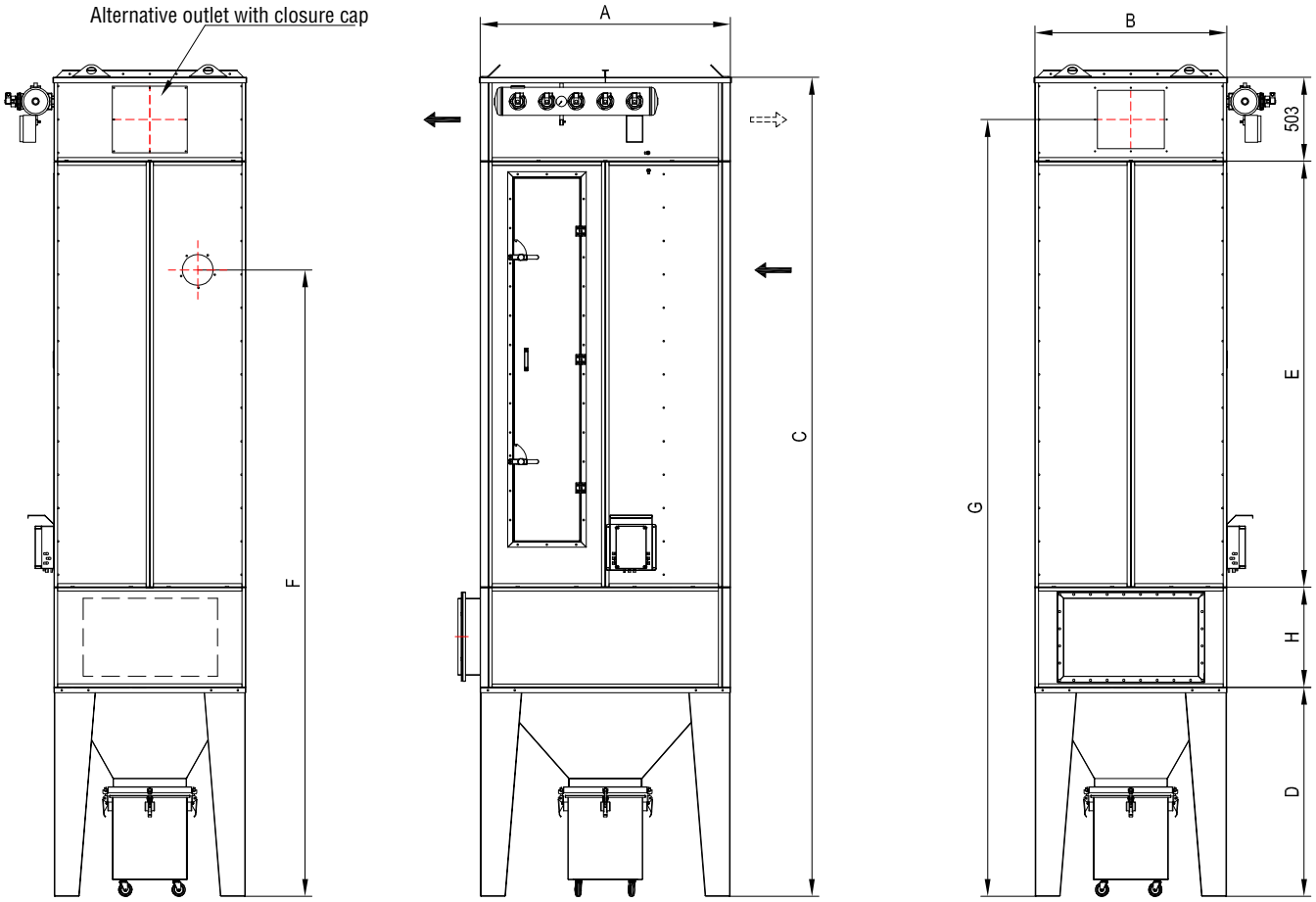
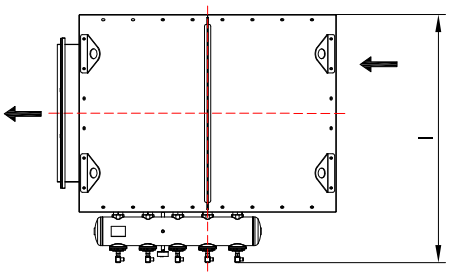
ATEX SLEEVE FILTER WITH PRE-CHAMBER

TAMA®
AIR FILTRATION

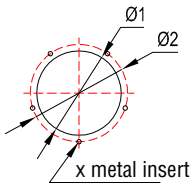
The sleeve filter XMC have a wide use in almost all industrial plants wherever you work with dusty materials. They are manufactured with a filtering surface that goes from 19 to 114 m^2 and are mainly formed by a series of permeable sleeves which guarantee the passage only of gas and not of particulates. They are designed to be fitted with the ATEX Directive 94/9/EC and are assembled with zinc-coated and press-shaped modular panels. The dusty air is inserted into the filter section after having passed through a pre-chamber. It is responsible for breaking down the biggest pollutant particles and for distributing evenly airflow over all the filter section. This ensures a more efficient particulate abatement and avoids the sleeves obstruction phenomenon. They are able to treat air containing very fine dust, maintaining a very high capture efficiency even for particles smaller than 1 Micron. As the dust settles on the surface of the filter during the operation, the filter will be cleaned by a system of cyclic counter-current cleaning using compressed air. The dust retained can be conveyed into collection bins or through the rotary valve (optional).
These filters are suitable for the use in zones with potentially explosive atmospheres and dust ST1 class according to the certification string II 3 D Ex tD A22 T200° C -10° C 40° ← T ← C.

ATEX SLEEVE FILTER WITH PRE-CHAMBER

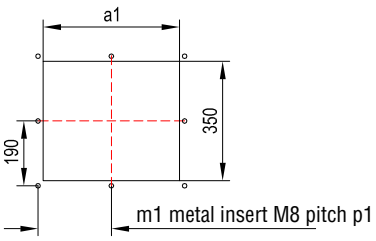




INLET



OUTLET



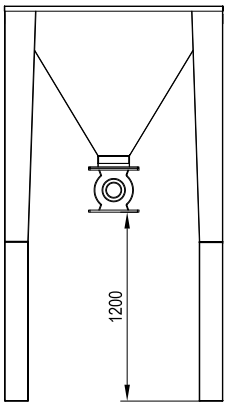
Mod.	Sleeves		Sup Filtrante	Electrovalves		IN			OUT		
						Ø1	Ø2	x	a1	m1	p1
	Num.	h [mm]	[m²]	Num.	Ø	[mm]	[mm]	[n° fori]	[mm]		[mm]
XMC - 19	25	2000	19	5	1"	200	233	6	150	2	180
XMC - 24	25	2500	24	5	1"	250	281	6	200	3	115
XMC - 29	25	3000	29	5	1"	280	313	6	200	3	115
XMC - 28	36	2000	28	6	1"	250	281	6	200	3	115
XMC - 34	36	2500	34	6	1"	280	313	6	200	3	115
XMC - 41	36	3000	41	6	1"	300	333	6	250	3	140
XMC - 38	49	2000	38	7	1"	280	313	6	200	3	115
XMC - 47	49	2500	47	7	1"	300	333	6	250	3	140
XMC - 56	49	3000	56	7	1"1/2	350	381	8	300	3	165
XMC - 49	64	2000	49	8	1"	300	333	6	250	3	140
XMC - 61	64	2500	61	8	1"	350	381	8	300	3	165
XMC - 73	64	3000	73	8	1"1/2	400	433	8	400	3	215
XMC - 62	81	2000	62	9	1"	350	381	8	300	3	165
XMC - 77	81	2500	77	9	1"	400	433	8	400	3	215
XMC - 93	81	3000	93	9	1"1/2	450	480	10	500	4	177
XMC - 76	100	2000	77	10	1"	400	433	8	400	3	215
XMC - 95	100	2500	95	10	1"	450	480	10	500	4	177
XMC - 114	100	3000	114	10	1"1/2	480	513	10	600	4	210

Mod.	DIMENSIONS									OUTLET AREA
	A	B	C	D	E	F	G	H	I	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[m²]
XMC - 19	1500	1150	4406	1250	2053	3000	4155	600	1470	0,33
XMC - 24	1500	1150	4906	1250	2553	3500	4655	600	1470	0,33
XMC - 29	1500	1150	5406	1250	3053	4000	5155	600	1470	0,33
XMC - 28	1675	1325	4406	1250	2053	3000	4155	600	1645	0,33
XMC - 34	1675	1325	4906	1250	2553	3500	4655	600	1645	0,33
XMC - 41	1675	1325	5406	1250	3053	4000	5155	600	1645	0,33
XMC - 38	1850	1500	5056	1500	2053	3000	4555	1000	1820	0,66
XMC - 47	1850	1500	5556	1500	2553	3500	5055	1000	1820	0,66
XMC - 56	1850	1500	6056	1500	3053	4000	5555	1000	1865	0,66
XMC - 49	2025	1675	5056	1500	2053	3000	4555	1000	1995	0,66
XMC - 61	2025	1675	5556	1500	2553	3500	5055	1000	1995	0,66
XMC - 73	2025	1675	6056	1500	3053	4000	5555	1000	2040	0,66
XMC - 62	2200	1850	5056	1500	2053	3000	4555	1000	2170	0,99
XMC - 77	2200	1850	5556	1500	2553	3500	5055	1000	2170	0,99
XMC - 93	2200	1850	6056	1500	3053	4000	5555	1000	2215	0,99
XMC - 76	2375	2025	5156	1600	2053	3000	4555	1000	2345	0,99
XMC - 95	2375	2025	5656	1600	2553	3500	5055	1000	2345	0,99
XMC - 114	2375	2025	6156	1600	3053	4000	5555	1000	2390	0,99

Antistatic polyester sleeves 500 g/m² with Venturi in aluminium

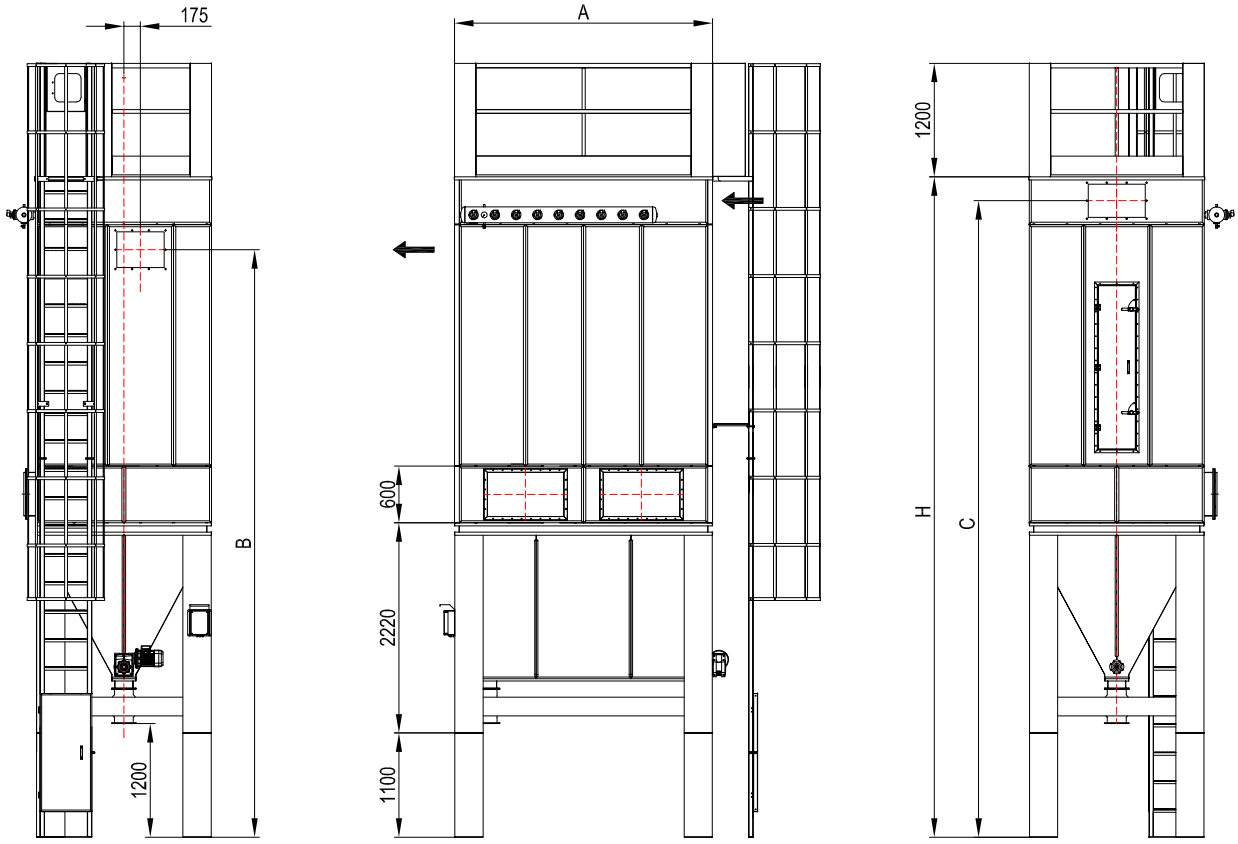
OPTIONAL: dust extraction with rotary valve and extension legs

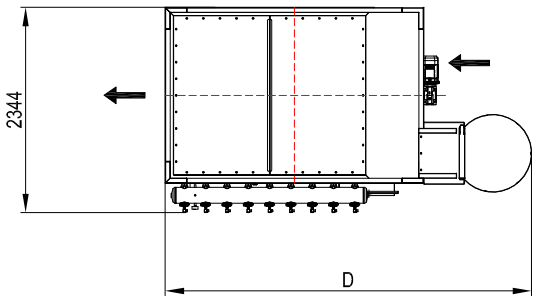
Rotor type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Ghisa	0,55	20	2	150 x 150
Ghisa	0,55	20	6	200 x 200
Acciaio al carbonio	0,75	20	12	250 x 250
Acciaio al carbonio	1,1	20	24	300 x 300



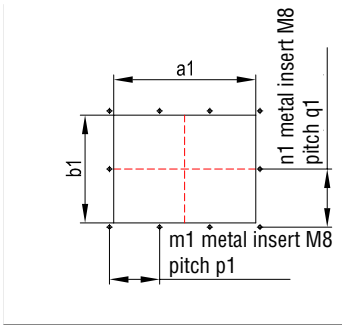
All data included in the present catalogue could be changed and improved.
TAMA Spa reserves the right to modify them without notification.

ATEX FILTERING SUBSTATION

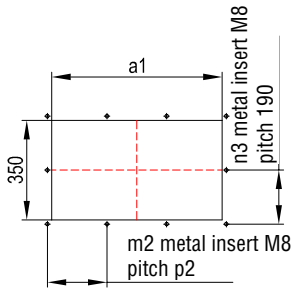




INLET



OUTLET



Mod.	Sleeves		Filtering surface	Electrovalves		IN						OUT		
	n.	h [mm]	[m²]	Num.	Ø	a1 [mm]	m1	p1	b1 [mm]	n1	q1	a2 [mm]	m2	p2 [mm]
XTC - 70	72	2500	70	8	1"	350	3	190	350	3	190	350	3	190
XTC - 84	72	3000	84	8	1"	400	3	215	400	3	215	450	4	160
XTC - 104	108	2500	104	12	1"	450	4	160	450	4	160	600	4	210
XTC - 125	108	3000	125	12	1"	500	4	177	500	4	177	700	5	180,99
XTC - 139	144	2500	139	16	1"	550	4	191	550	4	191	850	6	176
XTC - 167	144	3000	167	16	1"	580	4	201	580	4	201	950	6	196
XTC - 174	180	2500	174	20	1"	600	4	210	600	4	210	1050	6	216
XTC - 209	180	3000	209	20	1"	600	4	210	650	5	170	1150	7	197
XTC - 208	216	2500	208	24	1"	600	4	210	650	5	170	1150	7	197
XTC - 250	216	3000	250	24	1"	600	4	210	750	5	195	1410	9	180
XTC - 242	252	2500	242	28	1"	600	4	210	750	5	195	1410	9	180
XTC - 292	252	3000	292	28	1"	600	4	210	900	6	186	170,99	9	220

Mod.	DIMENSIONS					OUTLET AREA
	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	[mm]
XTC - 70	2550	6200	6720	3697	6975	0,66
XTC - 84	2550	6700	7020	3697	7475	0,66
XTC - 104	3425	6200	7120	4572	6975	0,66
XTC - 125	3425	6700	7620	4572	7475	0,66
XTC - 139	4475	6200	7120	5622	6975	0,99
XTC - 167	4475	6700	7620	5622	7475	0,99
XTC - 174	5350	6200	7120	6672	6975	0,99
XTC - 209	5350	6700	7620	6672	7475	0,99
XTC - 208	6575	6200	7120	7722	6975	1,32
XTC - 250	6575	6700	7620	7722	7475	1,32
XTC - 242	7625	6200	7120	8772	6975	1,32
XTC - 292	7625	6700	7620	8772	7475	1,32

Antistatic polyester sleeves 500 g/m² with Venturi in aluminium

Dust extraction with rotary valve

Blade type	Power [kW]	RPM	Flow [m³/h]	Drain Opening Dim. [mm]
Rubber with net	0,75	22	7	250X130
Vulkolan	0,55	22	7	250X130
Rubber with net	0,55	22	25	350X190
Vulkolan	0,75	35	42	350X190