

Roll-Filter C

Automatic roll filters

<i>Product</i>	Roll-Filter C
<i>UNI EN 779 class</i>	G 3 (glass fiber) - G 4 (synthetic fiber)
<i>Power supply</i>	220 V - single-phase - 50 Hz
<i>Installed power</i>	180 W

Automatic roll filters Roll-Filter C include a bearing frame which is fitted with a clean filter roll on the top and a dirty filter collection roll on the bottom.

A ratio-motor, controlled by a differential pressure-switch, pulls the media when the pre-set level is reached. The medium slides through appropriate guides which prevent deformation and sacking with high pressure levels.

The Roll-Filter C filters include an electric control panel and a micro-switch.

These are the advantages of these filters:

- long operating life and minimum maintenance
 - pressure drop almost constant during the entire operating cycle, which means air flow rate variations are not significant
 - medium consumption is proportional to the content of dust in the air; basically with low dust contents the use of the medium is minimum and the operating life increases.
- The filtration media is in synthetic fiber and has G4 class arrestance values.

Applications Automatic roll filters Roll-Filter C are used in conditioning and ventilation systems especially where operating with minimum maintenance is required. They are used as pre-filters for high efficiency filters. They are usually installed in air treatment plants and ventilation units, or in appropriate filtration rooms. They can be fitted with panel or bag filters on the air outlet side to increase air filtration efficiency levels. They can also be used to treat medium and big air flow rates.

Installation Roll-Filter C filters are typically installed in air treatment plants, downstream of mixing rooms. They can also be installed as independent elements in process applications and industries. Installation can be vertical or horizontal, with direct (V/H) or reversed (V/R) operation.

Maintenance Maintenance is easy thanks to the replacement of the complete cartridge-roller. The RM-C roller, made of synthetic media 15 m long, can be replace the RM-CV roll made of glass fiber media 20 m long. Class G3.

Type	Roll-Filter C 2'	Roll-Filter C 3'	Roll-Filter C 4'	Roll-Filter C 5'	Roll-Filter C 6'	Roll-Filter C 7'
	€	€	€	€	€	€
10	•	•	•	•	•	•
11	•	•	•	•	•	•
12	•	•	•	•	•	•
13	•	•	•	•	•	•
14	•	•	•	•	•	•
15	•	•	•	•	•	•
16	•	•	•	•	•	•
17	•	•	•	•	•	•
18	•	•	•	•	•	•
19	•	•	•	•	•	•
20	•	•	•	•	•	•
21	•	•	•	•	•	•
22	•	•	•	•	•	•
23	•	•	•	•	•	•
24	•	•	•	•	•	•
25	•	•	•	•	•	•
26	•	•	•	•	•	•
27	•	•	•	•	•	•
28	•	•	•	•	•	•
29	•	•	•	•	•	•
30	•	•	•	•	•	•
31	•	•	•	•	•	•
32	•	•	•	•	•	•
33	•	•	•	•	•	•
34	•	•	•	•	•	•
35	•	•	•	•	•	•
36	•	•	•	•	•	•
37	•	•	•	•	•	•
38	•	•	•	•	•	•
39	•	•	•	•	•	•
40	•	•	•	•	•	•

Roll-Filter C spare parts **MAT-ROLL RM.C** synthetic fiber

Code	RM.C 2'	RM.C 3'	RM.C 4'	RM.C 5'	RM.C 6'	RM.C 7'
Dim. (mm) B	530	830	1130	1430	1730	2030

Roll-Filter C spare parts **MAT-ROLL RM.P** glass fiber

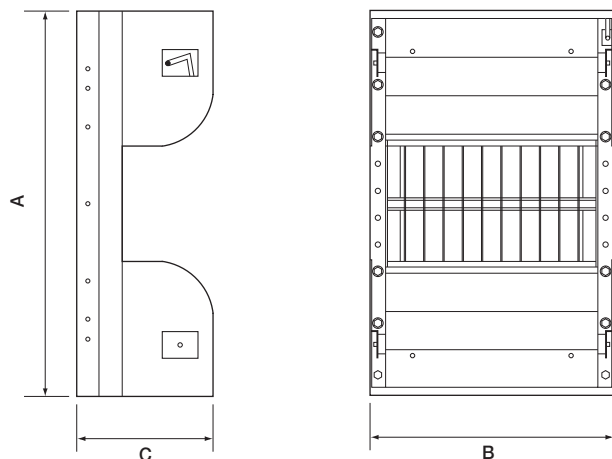
Spare parts for Roll-Filter version with mettalic core and fiberglass filtering medium.

Code	RM.P 2'	RM.P 3'	RM.P 4'	RM.P 5'	RM.P 6'	RM.P 7'
Dim. (mm) B	530	830	1130	1430	1730	2030

Roll-Filter C

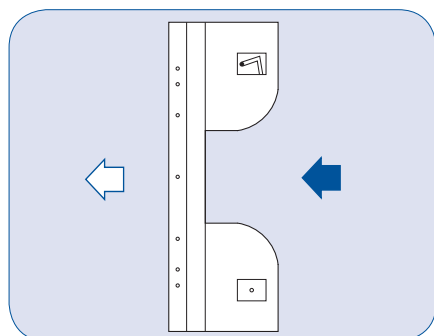
automatic roll filters

Size

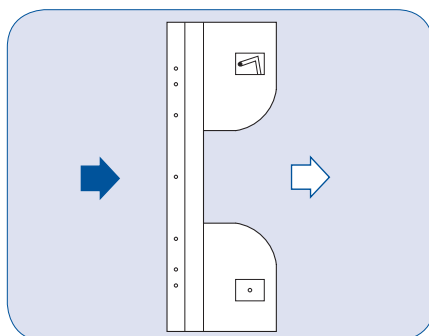


Type	Sizes (mm)		
Roll-Filter C	A	B	C
2'	1000 ÷ 4000 x	630 x	490
3'	1000 ÷ 4000 x	930 x	490
4'	1000 ÷ 4000 x	1230 x	490
5'	1000 ÷ 4000 x	1530 x	490
6'	1000 ÷ 4000 x	1830 x	490
7'	1000 ÷ 4000 x	2130 x	490

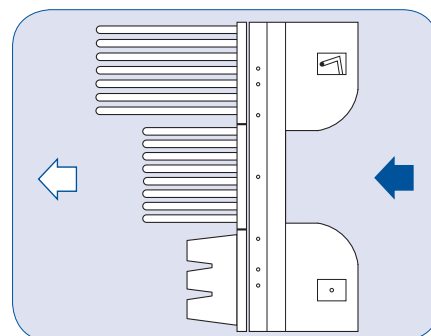
V (direct vertical)



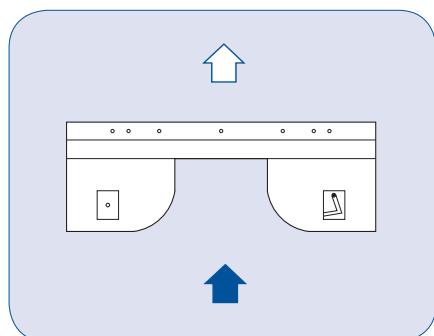
V/R (reversed vertical)



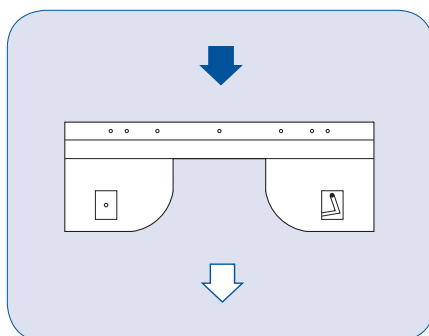
V/F (vertical with filters)



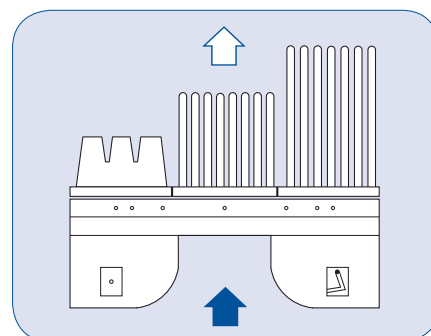
H (direct horizontal)



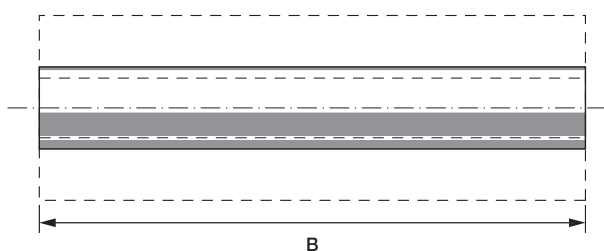
H/R (reversed horizontal)



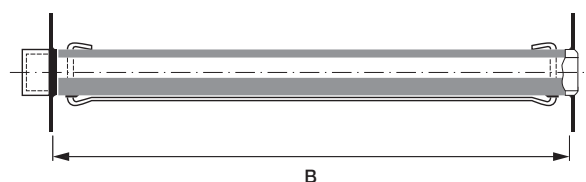
H/F (horizontal with filters)



Spare part Mod. MAT-ROLL RM.C



Spare part Mod. MAT-ROLL RM.P



Roll-Filter C

automatic roll filters

The area that is not highlighted refers to sizes and performances available only for vertical models.

Type		2		3		4		5		6		7	
		B mm	630	930		1230		1530		1830		2130	
	Weight Kg	60	75		90		105		120		135		
	A mm	Nominal air flow rate Q.				Nominal air flow rate Q.				Nominal air flow rate Q.			
		m³/h	m³/sx10 ^{-3*}	m³/h	m³/sx10 ^{-3*}	m³/h	m³/sx10 ^{-3*}	m³/h	m³/sx10 ^{-3*}	m³/h	m³/sx10 ^{-3*}	m³/h	m³/sx10 ^{-3*}
10	1000	4100	1138	6050	1680	8000	2222	10000	2777	12000	3333	14000	3888
11	1100	4500	1250	7000	1944	9500	2638	12100	3361	15200	4222	17500	4861
12	1200	5000	1388	7800	2166	10600	2944	13500	3750	16800	4666	19400	5388
13	1300	5500	1527	8500	2361	11600	3222	14900	4138	18100	5027	21000	5833
14	1400	6000	1666	9200	2555	12700	3527	16200	4500	19800	5500	22900	6361
15	1500	6400	1777	9900	2750	13700	3805	17600	4888	21400	5944	24800	6888
16	1600	6900	1916	10600	2944	14800	4111	18900	5250	23100	6416	26700	7416
17	1700	7400	2055	11400	3166	15800	4388	20300	5638	24700	6861	28600	7944
18	1800	7900	2194	12100	3361	16900	4694	21600	6000	26400	7333	30500	8472
19	1900	8400	2333	12900	3583	17900	4972	23000	6388	28000	7777	32400	9000
	Weight Kg	70	85		105		120		140		155		
20	2000	8800	2444	13600	3777	19000	5277	24300	6750	29700	8250	34300	9527
21	2100	9300	2583	14400	4000	20000	5555	25700	7138	31300	8694	36200	10055
22	2200	9800	2722	15100	4194	21100	5861	27000	7500	33000	9166	38100	10583
23	2300	10300	2861	15900	4416	22100	6138	28400	7888	34600	9611	40000	11111
24	2400	10800	3000	16600	4611	23200	6444	29700	8250	36300	10083	41900	11638
25	2500	11300	3138	17400	4833	24200	6722	31100	8638	37900	10527	43800	12166
26	2600	11800	3277	18200	5055	25300	7027	32400	9000	39600	11000	45800	12722
27	2700	12300	3416	18900	5250	26300	7305	33800	9388	41200	11444	47700	13250
28	2800	12800	3555	19700	5472	27400	7611	35100	9750	42900	11916	49600	13777
29	2900	13300	3694	20400	5666	28500	7916	36500	10138	44500	12361	51100	14194
30	3000	13800	3833	21200	5888	29500	8194	37800	10500	46100	12805	53400	14833
31	3100	14200	3944	21900	6083	30600	8500	39200	10888	47800	13277	55300	15361
	Weight Kg	85	100		125		140		165		180		
32	3200	14700	4083	22700	6305	31600	8777	40500	11250	49500	13750	57200	15888
33	3300	15200	4222	23400	6500	32700	9083	41900	11638	51100	14194	59100	16416
34	3400	15700	4361	24200	6722	33700	9361	43200	12000	52800	14666	61000	16944
35	3500	16200	4500	25000	6944	34800	9666	44600	12388	54400	15111	62900	17472
36	3600	16700	4638	25700	7138	35800	9944	45900	12750	56000	15555	64800	18000
37	3700	17200	4777	26500	7361	36900	10250	47300	13138	57700	16027	66700	18527
38	3800	17700	4916	27200	7555	37900	10527	48600	13500	59400	16500	68600	19055
39	3900	18200	5055	28000	7777	39000	10833	50000	13888	61000	16944	70500	19583
40	4000	18700	5194	28700	7972	40000	11111	51300	14250	62700	17416	72400	20111
	Weight Kg	100	115		145		10		190		205		

*1 m³/s x 10⁻³ = 1 l/s