

AIRCLEAN

YOUR AIR FILTER MANUFACTURER

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General Purpose Bag Filters Grades G3,G4 & F5 to EN779

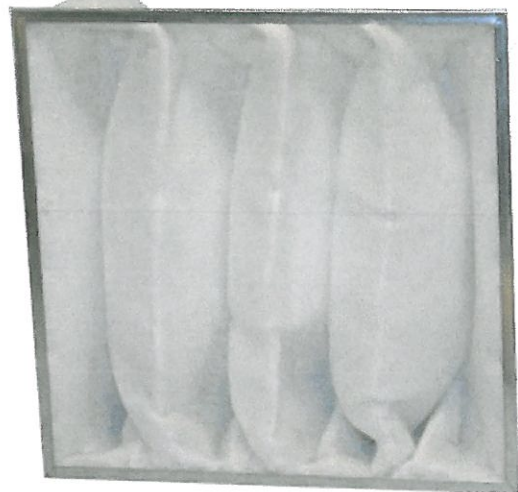
Applications

These are an economical range of Bag Filters suitable for fresh air conditioning and ventilation systems where greater dust holding capacity is required than a Panel Filter can offer.

Ideal as a pre-filter to a higher efficiency Bag Filter system, and Activated Carbon Filters.

Suitable for the food industry.

They are simple to install and replace.



Construction

The GP pocket filter comprises a corrosion resistant heavy gauge galvanised header frame housing the filter media which is supported by a copper coated rod assembly and tags which keep the media pockets from blinding each other. The pockets are of a lofted non-woven synthetic material.

Technical

Filter classification :

Maximum operating temperature :

Flammability :

Grade G3 , G4 or F5 to EN779

100°C (212°F)

Flame Retardant to DIN 53438

Classes F1 & K1

Performance Chart:

Part No. For Filter Grades			Nominal Size Height x Width x	Airflow Capacity		Initial PD Pa for Grade			No. of Pockets
G3	G4	F5		m ³ /s	cfm	G3	G4	F5	
1410-301	1410-401	1410-501	24" x 12" x 6"	0.24	500	40	50	63	2
1410-302	1410-402	1410-502	24" x 12" x 9"	0.35	750				
1410-303	1410-403	1410-503	24" x 12" x 12"	0.47	1000				
1410-304	1410-404	1410-504	24" x 12" x 15"	0.59	1250				
1410-305	1410-405	1410-505	24" x 12" x 18"	0.71	1500				
1410-316	1410-416	1410-516	24" x 12" x 24"	0.80	1700				
1410-311	1410-411	1410-511	24" x 20" x 6"	0.40	850	40	50	63	3
1410-312	1410-412	1410-512	24" x 20" x 9"	0.53	1275				
1410-313	1410-413	1410-513	24" x 20" x 12"	0.80	1700				
1410-314	1410-414	1410-514	24" x 20" x 15"	0.88	2100				
1410-315	1410-415	1410-515	24" x 20" x 18"	1.20	2550				
1410-316	1410-416	1410-516	24" x 20" x 24"	1.39	2950				
1410-321	1410-421	1410-521	24" x 24" x 6"	0.47	1000	40	50	63	4
1410-322	1410-422	1410-522	24" x 24" x 9"	0.71	1500				
1410-323	1410-423	1410-523	24" x 24" x 12"	0.94	2000				
1410-324	1410-424	1410-524	24" x 24" x 15"	1.18	2500				
1410-325	1410-425	1410-525	24" x 24" x 18"	1.41	3000				
1410-326	1410-426	1410-526	24" x 24" x 24"	1.65	3500				

Code AC4/1a Ref 05/06

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Metal Cased Discarbs

The metal cased 'Discarb' cells have the highest carbon loading in our range, and have standard or heavy-duty carbon panels permanently sealed into a galvanised sheet steel casing. This construction gives a very strong unit capable of handling large air volumes or where conditions dictate, increased contact time. The advantage of this unit is that with panels sealed in, there is no possibility of air leakage. Also, these units can be manufactured to almost any reasonable size, the limiting factors being the overall weight for handling purposes and the size of individual panels. When the unit has finished its useful life it is discarded and replaced with a complete new cell.



Standard Duty Cells							
Nominal Size	Actual Size mm	Number of	Carb	Discarb	Airflow		Pressure
W x H x L	W x H x L	Panels	Weight	Weight	m ³ /s	cfm	Pa
12" x 12" x 12"	292 x 292 x 292	6	5 kg	9 kg	0.10	212	75
12" x 12" x 18"	292 x 292 x 445	6	8 kg	14 kg	0.15	318	95
12" x 12" x 24"	292 x 292 x 597	6	10 kg	18 kg	0.22	466	140
18" x 18" x 12"	445 x 445 x 292	8	10 kg	17 kg	0.21	445	55
18" x 18" x 18"	445 x 445 x 445	8	15 kg	25 kg	0.31	657	70
18" x 18" x 24"	445 x 445 x 597	8	21 kg	33 kg	0.41	868	105
24" x 24" x 12"	597 x 597 x 292	12	20 kg	31 kg	0.41	868	70
24" x 24" x 18"	597 x 597 x 445	12	31 kg	45 kg	0.61	1292	90
24" x 24" x 24"	597 x 597 x 597	12	42 kg	59 kg	0.81	1716	130
12" x 24" x 24"	292 x 597 x 597	6	21 kg	35 kg	0.40	847	130

Extra Duty Cells							
Nominal Size	Actual Size	No. of	Carb	Discarb	Airflow		Pressure
W x H x L	W x H x L	Panels	weight	weight	m ³ /s	cfm	Pa
12" x 12" x 12"	292 x 292 x 292	6	6 kg	10 kg	0.13	275	125
12" x 12" x 18"	292 x 292 x 445	6	9 kg	15 kg	0.20	424	175
12" x 12" x 24"	292 x 292 x 597	6	12 kg	20 kg	0.27	572	250
18" x 18" x 12"	445 x 445 x 292	8	12 kg	19 kg	0.30	635	95
18" x 18" x 18"	445 x 445 x 445	8	19 kg	28 kg	0.41	868	125
18" x 18" x 24"	445 x 445 x 597	8	25 kg	37 kg	0.54	1144	185
24" x 24" x 12"	597 x 597 x 292	12	25 kg	35 kg	0.54	1144	125
24" x 24" x 18"	597 x 597 x 445	12	38 kg	52 kg	0.80	1694	150
24" x 24" x 24"	597 x 597 x 597	12	51 kg	68 kg	1.06	2245	225
12" x 24" x 24"	292 x 597 x 597	6	26 kg	46 kg	0.53	1122	225

Code AC6/2a Ref 07/97