

## General Purpose Bag Filters Grades G3, G4, and M5 to EN779:2012

### Applications

General Purpose Bag Filters offer a low to medium filtration efficiency suitable for fresh air conditioning and ventilation systems where a greater dust holding capacity is required than a panel air filter can offer.

Typical applications for General Purpose Bag Filters would be as a pre filter to high efficiency filters, prior to a fan or heating / cooling coil, or as a pre filter to an Activated Carbon Filter.



### Description

The General Purpose Multi Pocket Bag 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 ensuring a high dust holding capacity.

### Technical

**Filter Classification :** Grade G3, G4 or M5 to EN779:2012 (Previously G3, G4, and F5 to EN779:2002)

**Maximum Operating Temperature :** 100°C (212°F)

**Flammability :** Flame Retardant to DIN 53438, Classes F1 & K1

Suitable for use in the food industry.

### STANDARD GENERAL PURPOSE BAG FILTER SIZES

Size		Flow Rate	Part Numbers			
Nominal (actual)	Bag Length		m <sup>3</sup> /s	GP3 Grade G3 to EN779	GP4 Grade G4 to EN779	MP5 Grade M5 to EN779
	inch	mm				
24H x 12W  (594H x 292Wmm)  2 Pockets	6	150	0.24	1410301	1410401	1410501
	9	225	0.35	1410302	1410402	1410502
	12	300	0.47	1410303	1410403	1410503
	15	375	0.59	1410304	1410404	1410504
	18	450	0.71	1410305	1410405	1410505
	24	600	0.80	1410306	1410406	1410506
24H x 20W  (594H x 492Wmm)  3 Pockets	6	150	0.40	1410311	1410411	1410511
	9	225	0.53	1410312	1410412	1410512
	12	300	0.80	1410313	1410413	1410513
	15	375	0.88	1410314	1410414	1410514
	18	450	1.20	1410315	1410415	1410515
	24	600	1.39	1410316	1410416	1410516
24H x 24W  (594H x 594Wmm)  4 Pockets	6	150	0.47	1410321	1410421	1410521
	9	225	0.71	1410322	1410422	1410522
	12	300	0.94	1410323	1410423	1410523
	15	375	1.18	1410324	1410424	1410524
	18	450	1.41	1410325	1410425	1410525
	24	600	1.65	1410326	1410426	1410526

## Notes

Standard Bag Filter Header Depth = 22mm (16mm deep header available upon request)

Clean pressure differentials at Rated Flow: G3 = 40Pa, G4 = 50Pa, M5 = 63Pa

Recommended discard resistance is 200 Pa above clean resistance.

Non standard sizes are available upon request

Stainless Steel Header, Grade 304 available upon request (1410901)

Bag Loops for vertical or low airflows (1410902)

## **Holding Frames and Cases**

Holding frames and casings for General Purpose Bag Filters are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications.

See Catalogue Section 8 (code AC8) for full information.



Front Withdrawal  
Frame (1810)



MEZ Flanged Side  
Access Housing (1820)



Duct Mounted Filter  
Housing (1825)



Fully Welded Side  
Withdrawal Filter Housing  
(1840)