Interpocket Bag

Secondary Filters M5 40-55% M6 60-65% F7 80-85% F8 90-95% F9 >95%

General Characteristics

Interpocket filters are used as primary or secondary filters in heating, ventilation and airconditioning systems. Traditional bag filters are economical and are used widely in commercial and industrial applications such as hospitals, automotive plants and biotechnology facilities. They can be used in standard built-up filter banks, filter holding frames or side-access housing systems.

- **+ Secondary Filter with M5 – F8, F9 efficiencies**
- **+ Meltblown Synthetic Polypropylene**
- **+ Ultrasonic Welded**
- **+ Galvanised Steel Cold-rolled edged Frame**

Description: Interpocket F8 90-95%
Nominal Size: 24 x 24 x 15” - 8p
Actual Size : 595 x 595 x 290mm

Cold rolled edges for safe handling

J channel support frame for tight sealing

Ultrasonic Welded Sealing to eliminate air bypass

Construction

Filter Media

The filter media is lofted synthetic polypropylene is made using meltblown and permanent electrostatic charged process. The raw material is antimicrobial which is byproduct of the manfacturing process of the filter media as opposed to non-permanent sprayed products or passive charged.The antimicrobial feature inhibit the growth and reduce the microorganisms like bacteria, fungi on the filter media which may otherwise deteriorate the filter integrity. The final filter will has a high efficiency and low pressure drop.

The Synthetic Media will be very suitable in high humidity applications, eliminate fibre media shedding, better media integrity as compared to traditional fibreglass media. The two-stage synthetic fibre allows good dust loading capacity.

Enclosing Frame

The filter media is ultrasonic welded and sealed on all sides. It is enclosed with single header galvanised steel frame with rolled edges for rigid support and easier handling.

The open throat design and evenly spaced pockets with the longitudinal separators in each pocket allows the filter to be aerodynamically balanced. It also helps to channel air through the media to reduce excessive turbulence and allows even dust loading.

The non-rigid bag filter can be manufactured in various depth from 12” to 36”. Other custom sizes and depth can also be manufactured. Optional Gaskets and Pocket support loops are available.

IF International Filtration

Interpocket Bag

Secondary Filters M5 40-55% M6 60-65% F7 80-85% F8 90-95% F9 >95%

Specifications

Model	IP40		IP60			IP80			IP90		
Description	Interpocket 40-55%		Interpocket 60-65%			Interpocket 80-85%			Interpocket 90-95%		
Number of pockets	**6p**	**8p**	**6p**	**8p**	**10p**	**6p**	**8p**	**10p**	**6p**	**8p**	**10p/12p***
Initial Pressure Drop at Face Velocity 2.5m/s for **Nominal Depth 12"**	80	60	120	90	80	155	130	125	NR	135	130
Filter Nominal Depth 15"	65	55	90	69	60	133	118	98	135	120	100
Filter Nominal Depth 22"	55	45	70	62	58	100	88	86	105	89	86
Filter Nominal Depth 26"	50	40	58	55	54	95	74	72	95	75	72
Filter Nominal Depth 30"	40	35	57	52	54	80	68	72	80	70	72
Filter Nominal Depth 36"	35	35	57	52	54	80	68	72	80	70	72
Filter Class EN779 / Eurovent 4/4	M5/ F5/ EU5		M6/ F6/ EU6			F7/ EU7			F8 to F9/ EU8-9		
ASHRAE 52.1-1992 Average Synthetic Dust Weight Arrestance	95%		98%			99%			99%		
ASHRAE 52.1-1992 Average Atmospheric Dust Spot Efficiency	40-55%		60-65%			80-85%			90-95%, >95%		
ASHRAE 52.2-2012 MERV	MERV 10		MERV 12			MERV 13			MERV 14 to 15		
Class to ISO16890, ISO	ePM10 55%		ePM2.5 50%			ePM1.0 60%			ePM1 70%		

Performance data is based on EN779 & ASHRAE 52.2-2012 Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, ASHRAE 52.1-1992 test method entitled "Gravimetric & Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter".
Data provided is for comparision and information MERV: Minimum Efficiency Reporting Value
* Filter with initial pressure drop more than 150 Pa is not desirable, values for reference only. 12p and 10p will achieve similar pressure drops in deep pockets, recommended for Vcell rigid filters for robust design.

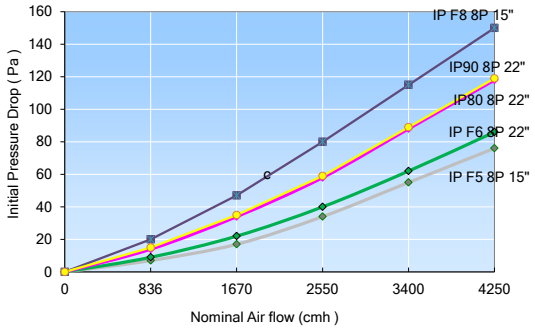
Technical Data

Filter Media
Synthetic Polypropylene Media

Enclosing Frame
Galvanised Steel with Cold Rolled edges

Header
20mm Single Header (SH)

Continuous Operating Temperature	80°C
Relative Humidity	90%
Recommended Final Pressure Drop or double of initial pressure Drop (Dirty)	250-375 Pa
Maximum Final Pressure Drop	450 Pa



Pressure Drop Curve is based on Size: 24x24x22" - 8p and 24x24x15"-8p

Dimensions

Filter Depth inches mm	Nominal Size W x H x D inches"	Actual Size WxHxD mm	No. of Pockets	Rated Airflow m^3/h	Media Area sqft
12" Depth 292mm	12 x 24 x 12	289x592x292	3 / 4	1700	14
	12 x 24 x 12	289x592x292	4	1700	19
	16 x 24 x 12	392x592x292	4	2200	19
	20 x 24 x 12	492x592x292	5 / 6	2830	23 / 28
	24 x 24 x 12	592x592x292	6	3400	30
	24 x 24 x 12	592x592x292	8	3400	38
	24 x 24 x 12	592x592x292	10 / 12	3400	47 / 57
15" Depth 368mm **Standard**	12 x 24 x 15	289x592x368	3	1700	16
	12 x 24 x 15	289x592x368	4	1700	22
	16 x 24 x 15	392x592x368	4	2200	22
	20 x 24 x 15	492x592x368	5 / 6	2830	29 / 31
	24 x 24 x 15	592x592x368	6	3400	36
	24 x 24 x 15	592x592x368	8	3400	45
	24 x 24 x 15	592x592x368	10 / 12	3400	58 / 70
22" Depth 546mm **Standard**	12 x 24 x 22	289x592x546	3	1700	25
	12 x 24 x 22	289x592x546	4	1700	31
	12 x 24 x 22	289x592x546	5 / 6	1700	38 / 46
	16 x 24 x 22	392x592x546	4	2200	31
	20 x 24 x 22	492x592x546	5 / 6	2830	42 / 46
	24 x 24 x 22	592x592x546	6	3400	53
	24 x 24 x 22	**592x592x546**	**8**	**3400**	**62**
	24 x 24 x 22	592x592x546	10 / 12	3400	77 / 92
26" Depth 647mm	12 x 24 x 26	289x592x647	3 / 4	1700	29 / 36
	12 x 24 x 26	289x592x647	5 / 6	1700	43 / 52
	20 x 24 x 26	492x592x647	5 / 6	2830	36 / 52
	24 x 24 x 26	592x592x647	6	3400	60
	24 x 24 x 26	592x592x647	8	3400	72
	24 x 24 x 26	592x592x647	10 / 12	3400	87 / 104
30" Depth 749mm	12 x 24 x 30	289x592x749	3 / 4	1700	34 / 42
	12 x 24 x 30	289x592x749	5 / 6	1700	50 / 60
	20 x 24 x 30	492x592x749	5 / 6	2830	56 / 61
	24 x 24 x 30	592x592x749	6	3400	70
	24 x 24 x 30	592x592x749	8	3400	84
	24 x 24 x 30	592x592x749	10 / 12	3400	101/ 121

Design should always use Standard pocket frame width size: | 24x24" - 8p,6p | 20x24" - 5p | 12x24" - 4p,3p
Non-standard Pocket frame: | 24x20"- 6p (592x492mm) | 20x20"- 5p (492x492mm) | 16x20"- 4p (392x492mm) | | 12x20"- 3p (289x492mm) | 16x24"- 4p (392x592mm) | 12x12"- 3p (289x289mm) |

International Filtration

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