

Interpocket Bag

Secondary Filters F5 40-55% F6 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 F5 – 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

Construction

Filter Media

The filter media is lofted synthetic polypropylene is made using meltblown process. Synthetic Media offers superior performance in high humidity applications, elimination of 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.

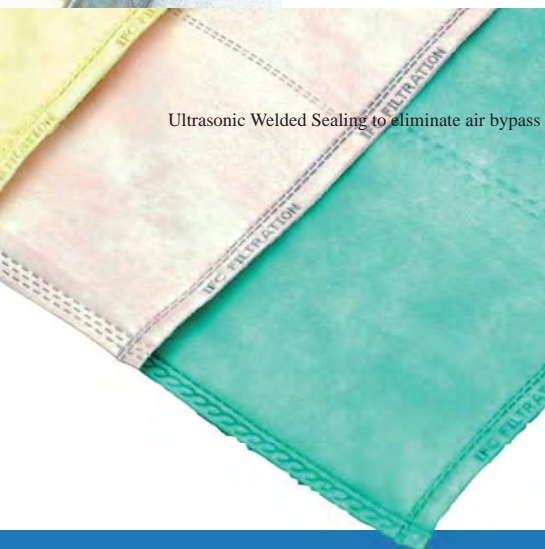
The open throat design and evenly spaced pockets with the longitudinal separators in each pocket allows the filter to be aerodynamically balanced. It also helps to channel air through the media to reduce excessive turbulence and allows even dust loading.

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.



Cold rolled edges for safe handling

J channel support frame for tight sealing



Ultrasonic Welded Sealing to eliminate air bypass

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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			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		

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 comparison 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. Standard pocket frame width size: | 24x24 - 8p,6p | 20x24 - 5p | 12x24 - 4p, 3p | 24x20 - 6p | 20x20 - 5p |

Technical Data

Filter Media

Synthetic Polypropylene

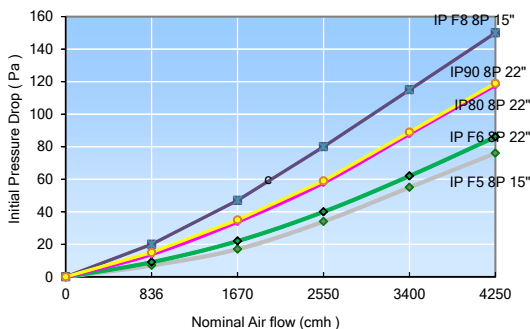
Enclosing Frame

Galvanised Steel with Cold Rolled edges

Header

20mm Single Header (SH)

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



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

Dimensions

Filter Depth inches	Nominal Size L x H x D (in)	No. of Pockets	Rated Airflow m ³ /h	Media Area sqft
12" Depth	12 x 24 x 12	3 / 4	1700	14
	12 x 24 x 12	4	1700	19
	20 x 24 x 12	5 / 6	2830	23 / 28
	24 x 24 x 12	6	3400	30
	24 x 24 x 12	8	3400	38
15" Depth	12 x 24 x 15	3	1700	16
	12 x 24 x 15	4	1700	22
	20 x 24 x 15	5 / 6	2830	29 / 31
	24 x 24 x 15	6	3400	36
	24 x 24 x 15	8	3400	45
22" Depth	12 x 24 x 22	3	1700	25
	12 x 24 x 22	4	1700	31
	12 x 24 x 22	5 / 6	1700	38 / 46
	20 x 24 x 22	5 / 6	2830	42 / 46
	24 x 24 x 22	6	3400	53
26" Depth	12 x 24 x 26	3	1700	29
	12 x 24 x 26	4	1700	36
	12 x 24 x 26	5 / 6	1700	43 / 52
	20 x 24 x 26	5 / 6	2830	36 / 52
	24 x 24 x 26	6	3400	60
30" Depth	12 x 24 x 30	3 / 4	1700	34, 42
	12 x 24 x 30	5 / 6	1700	50 / 60
	20 x 24 x 30	5 / 6	2830	56 / 61
	24 x 24 x 30	6	3400	70
	24 x 24 x 30	8	3400	84
36" Depth	12 x 24 x 36	3 / 4	1700	42, 46
	12 x 24 x 36	5 / 6	1700	59 / 77
	20 x 24 x 36	5 / 6	2830	67 / 72
	24 x 24 x 36	6	3400	88
	24 x 24 x 36	8	3400	96