

Interpocket Bag

Primary Filters G3 20-25% G4 30-35%

Gas Turbine



General Characteristics

Interpocket primary filters are used as primary filters for heating, ventilation and airconditioning systems where high face velocities and high coarse dust loading, long service life is required. Traditional bag filters are economical and are used in commercial and industrial applications as well as hospitals, automotive plants, spray paint booths, gas turbines. They can be used in standard built-up filter banks, filter holding frames or side-access housing systems.

Specifications

Model	IP20		IP30	
Description	Interpocket Synthetic Washable 25-30%		Interpocket 30-35%	
Number of pockets	6p	8p	6p	8p
Initial Pressure Drop at Face Velocity 2.5m/s for Nominal Depth 12"	45	40	50	45
Face Velocity 2.5m/s for Nominal Depth 15"	40	35	45	40
Initial Pressure Drop at Face Velocity 3.2m/s for Nominal Depth 12"	60	55	65	60
Face Velocity 3.2m/s for Nominal Depth 15"	55	50	60	55
Filter Class EN779 / Eurovent 4/4	G4 / EU4		G4 / EU4	
ASHRAE 52.76 Average Dust Arrestance Efficiency	>90%		>95%	
ASHRAE 52.1-1992 Average Dust Spot Efficiency	20%		30-40%	
ASHRAE 52.2-1999 MERV	MERV 7		MERV 8	

Performance data is based on ASHRAE 52.1-1992 MERV: Minimum Efficiency Reporting Value
Standard pocket frame width size: | 24x24 -10p,8p,6p | 20x24 -6p,5p | 12x24 -4p, 3p | 24x20 - 8p,6p |

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.

Technical Data

Filter Media

Lofted Synthetic Polypropylene (IP30)
Synthetic Washable (IP20)

Enclosing Frame

Galvanised steel with Cold Rolled edges

Header

21mm Single Header (SH)

Continuous Operating Temperature 80°C
Relative Humidity 90%
Recommended Final Pressure Drop 150 Pa
Maximum Final Pressure Drop 250 Pa

Dimensions

Filter Depth inches	Nominal Size L x H x D inches	No. of Pockets	Rated Airflow at 2.5m/s m³/h	Rated Airflow at 3.2m/s m³/h	Media Area sqft	Weight kg	Packing per carton
12" Depth	12 x 24 x 12	3	1700	2125	14	1.0	12
	12 x 24 x 12	4	1700	2125	19	1.0	12
	20 x 20 x 12	5	2380	2950	23	1.5	6
	20 x 24 x 12	6	2830	3540	28	1.5	6
	24 x 24 x 12	6	3400	4250	30	2.0	6
	24 x 24 x 12	8	3400	4250	38	2.0	6
15" Depth	12 x 24 x 15	3	1700	2125	16	1.0	10
	12 x 24 x 15	4	1700	2125	22	1.0	10
	20 x 20 x 15	5	2380	2950	29	1.5	5
	20 x 24 x 15	6	2830	3540	31	1.5	5
	24 x 24 x 15	6	3400	4250	36	2.0	5
	24 x 24 x 15	8	3400	4250	45	2.0	5