

Interpocket Pocket Washable

Primary Filters G3-G4 25-35% MERV7

Gas Turbine



General Characteristics

Pocket washable 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	
Description	Pocket Washable 25-35%	
Number of pockets	4 - 6p	8p
Initial Pressure Drop at Face Velocity 2.5m/s for Nominal Depth 8-12"	35	30
Face Velocity 2.5m/s for Nominal Depth 14-18"	30	25
Initial Pressure Drop at Face Velocity 3.2m/s for Nominal Depth 8-12"	45	45
Face Velocity 3.2m/s for Nominal Depth 14-18"	40	40
Filter Class EN779 / Eurovent 4/4 ISO16890 ISO Coarse	G4 / EU4 ISO Coarse 65%	
ASHRAE 52.1-1992/ Average Dust Weight Arrestance >10um	>90%	
ASHRAE 52.1-1992 Average Dust Spot Efficiency >1um	25-35%	
ASHRAE 52.2-2015 MERV	MERV 7	

Performance data is based on ASHRAE 52.2, 52.1, EN779
Standard pocket frame width size: | 24x24 -8p,6p | 20x24 -5p | 12x24 -4p, 3p | 24x20 - 6p |

MERV: Minimum Efficiency Reporting Value

Construction

Filter Media

The filter media is synthetic polyester made from thermal bonding. Synthetic Media offers superior performance in high humidity applications, elimination of fibre media shedding, better media integrity as compared to traditional fibreglass media. The layered polyester synthetic fibre allows very good dust loading capacity. Filter can be lightly dedust or "washed" for very big dust particle removal applications. Recommended one to one replace to minimise downtime.

Enclosing Frame

The filter media is ultrasonic welded and sealed on all sides with internal corrosion resistant galvanised steel wire rods. It is enclosed with single header galvanised steel frame for rigid support and easier handling.

The open throat design and evenly spaced pockets with the longitudinal ultrasonic welded 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.

Pocket Depth

The non-rigid bag filter can be manufactured in various depth from Nominal 6" to 22" Actual 149 to 546mm. Other custom sizes and depth can also be manufactured. Optional Gaskets and Pocket support loops are available.

Technical Data

Filter Media
Synthetic Polyester (IP20)

Enclosing Frame
Galvanised steel

Header
21mm Single Header (SH)

Continuous Operating Temperature 70°C
Relative Humidity 90%
Recommended Final Pressure Drop 150-250 Pa
Maximum Final Pressure Drop 375 Pa

Dimensions

Filter Depth	Nominal Size L x H x D	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
inches	inches						
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