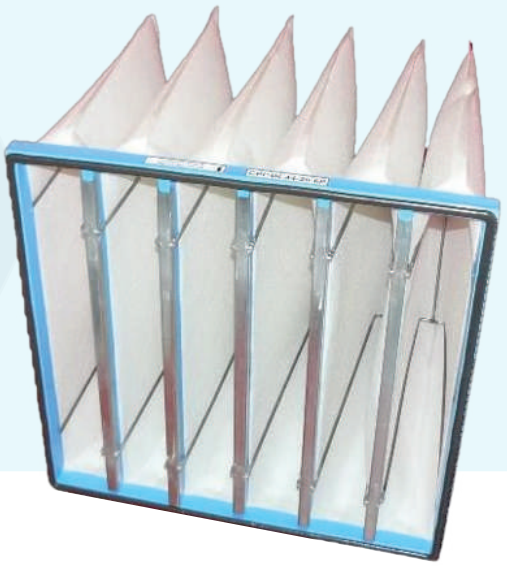
Filtrowin Industries

Filtro Pac R
Reverse Flow Pocket Filter



Key Features

- Reverse Flow Configuration
- Rod separator for pocket stability
- Low pressure drop
- Long service life
- High frequency welded pockets
- High burst strength
- Easy installation
- High dust holding capacity

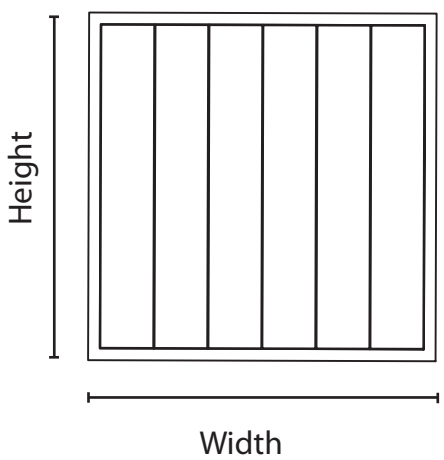
- **Filter Standard** ASHRAE 52.2 / EN 779 / ISO 16890
- **Frame Type** Jointless plastic
- **Standard Header Size** 20 -25mm
- **Media** Self Supporting Synthetic Media
- **Efficiency** G4 to F9 / MERV 8 to MERV 15 / ISO Coarse 70% / ePM 10 50% to ePM 1 85%
- **Max. Operating Temperature** 75°C / 167°F
- **Final Pressure Drop** 250 Pa / 1" WG
- **Gasket** Single piece PU foam

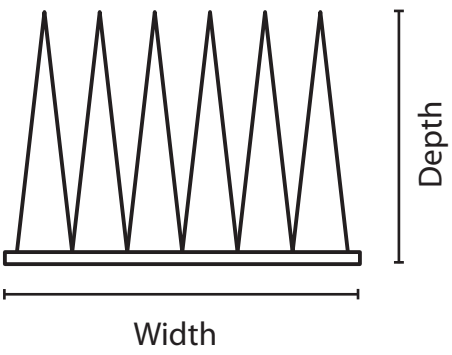
Filtro Pac R filters are medium-efficiency extended surface pocket (bag) filters, specifically engineered for reverse flow configuration. The media is made from superior fine synthetic fibers (Polyester), these filters feature internal rod separators that stabilize the pockets during reverse airflow operation. Filtro Pac R serves as an ideal alternative to panel filters of equivalent efficiency, offering a significantly larger media area than conventional panel filters. When the Filtro Pac R combined with direct flow filters like Filtro Pac P or Filtro Cell VGT, these combinations enhance overall system performance by providing high dust-holding capacity and reduced pressure drop. The progressive density multi-layered fiber arrangement ensures exceptional filtration efficiency and high dust holding capacity.

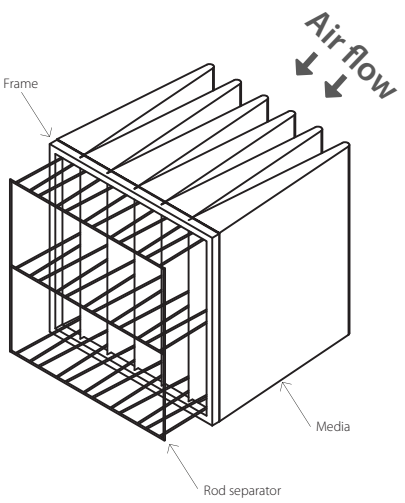
Filtro Pac R filters are well-suited for air intake applications in gas turbines, diesel generators, automotive paint booths, powder coating systems, and other surface treatment facilities

Construction

Filtro Pac R pocket filters are made up of superior grade synthetic fiber media, multi-layered with a progressive density fiber arrangement. This results in high dust holding capacity with low pressure drop. The rigid pockets are formed by welded construction and aerodynamic design. The pockets are mechanically fastened to an ABS frame, ensuring 100% leak-proof operation. Additionally, rod separators are installed inside the filter pockets to provide structural support, This design minimizes pressure drop and ensures the pockets remain stable under conditions like turbulence or high burst pressures. These filters can operate well in 100% humid conditions and in salt-laden environments.





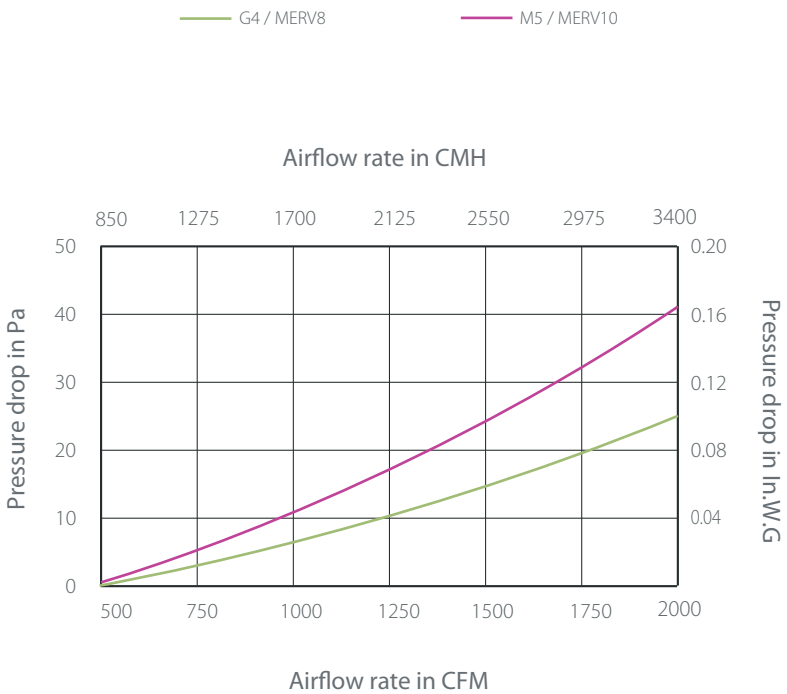


Performance Data

Filter Model	Actual size (mm)	Actual size (in)	Nominal Size (in)	No. of pockets	Air Flow (CMH/CFM)	Initial Resistance to Airflow (Pa / In.WG)		Media Area(Sq.M)
						G4/MERV 8	M5/MERV 10	
FPR-EFF*-44-12-6P	592x592x300	23.31x23.31x11.81	24x24x12	6	3400/2000	32/0.13	49/0.19	2.42
FPR-EFF*-44-15-6P	592x592x380	23.31x23.31x14.96	24x24x15	6	3400/2000	27/0.11	45/0.18	3.02
FPR-EFF*-44-20-6P	592x592x508	23.31x23.31x20	24x24x20	6	3400/2000	25/0.1	41/0.17	4.24

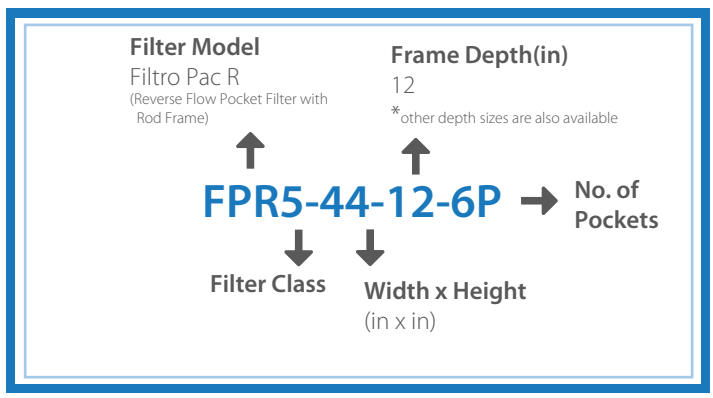
Note: Other size having filter face size 20x24" operates at 80% air volume and filter face 12x24" operates at 50% of air volume of 24x24" . Pressure drop remains the same.

Airflow vs Initial Resistance



Available on request	Additional media efficiency

Model Details Breakdown



Frame	Plastic
Media	Synthetic
Header	Available in 20mm and 25mm
Sealant	Polyurethane
Colour	White
Pocket spacer	GI rod
Temperature	75°C / 167°F Max.operating temp.
Gasket	Single piece PU foam
Air flow	3400 CMH / 2000 CFM
Final pressure drop	250 Pa / 1" W.G
Efficiency standard	ASHRAE 52.2 / EN 779 / ISO 16890

Our Group Companies and Global Network

Aerofil Filters Manufacturing LLC

CLAIRON Quality Air Filters

Aerofil International GmbH