



Piedmont High Flow Pleated Filter
 Cartridges are especially designed for high flow filtration applications and will replace many brands such as: Amazon, Global filter, ASCO filter, Filtrek & Pall Ultipleat. Unique rigid hard cage as outer case enables the High Flow filters to undertake large differential pressures during the filtration process.

Larger diameter with less filter elements, but more filtration surface area leads to higher flow rate and longer service life. Both CAPEX and OPEX can be reduced.

Suitable for various applications like RO-pretreatment, condensate filtration, seawater, desalination and (petro)chemical and pharmaceutical applications.

FEATURES

- Deep pleated structure with multiple filtration media
- High dirt holding capacity
- Ultimate retention efficiency
- Inside-out flow to hold most debris in

Cartridge Dimensions	
Removing Ratings (Absolute)	1, 3, 5, 10, 20, 40 µm and others available
Surface of filtration	7.98 m ² / 85.90 ft ²
Outside Diameter	6 inches / 152 mm
Length	40 inches / 1 016 mm, 60 inches / 1 524 mm

Material of construction	
Filter Media	Depth Type Multimedia Polypropylene
Core Material	Polypropylene
End Cap Material	Rigid Hard Cage
Support Layer Material	Polypropylene
Gasket / O-ring Material	EPDM / VITON

Operating Conditions	
Maximum Operating Temperature	180 °F / 82°C
Maximum Flow Rate	40" : 343gpm / 78 m ³ / hr 60" : 500gpm / 113m ³ / hr
Recommended Change-Out Differential Pressure	30psid @68 °F (2.1bar @ 20 °C)

Piedmont High Flow Cartridge Ordering Guide

Cartridge Design	Cartridge Length	Material (Media / Plastic Components)	Removal Rating (Nominal Micron)	O-ring Material
Max Pleated PL Series	40 – 40 " (1,016 mm) 60 – 60 " (1,524 mm)	PP – Polypropylene Micron Fiber Media	P010- 1 µm P030- 3 µm P050- 5 µm P100- 10 µm P200- 20 µm P400- 40 µm	E=EPDM V=Fluororubber S=Silicon N=Buna-N rubber

Features and Benefits

High flow capacity up to 500 gpm per cartridge

- Reduced Filter Usage - minimizes product loss, labor cost, disposal costs, operator exposure and downtime for filter change-out.

Absolute rating

- Reproducible effluent quality throughout the filter's life.

Pleated design

- Larger usable filtration surface area, higher dirty holding capacity longer life time.

Supporting core design

- Strengthen filter cartridge, easy to change.

Easy to use

- No special tools or hardware required for filter change-out - minimizes downtime
- Handle design - facilitates easy cartridge installation and removal

Typical Cartridge Flow Rates

