PFP-D particle removal PP filters

Nominal, pleated depth filtration of liquids in food, pharmaceutical and industrial applications

PFP-D filters provide reliable and efficient filtration with a maximum service life. It features pleated depth media with graded pore size from coarse to fine capturing gradually particles improving service life while enabling additional solid loading and removing particles, colloids and gels. Its filter media consist of low density P6 pleated multilayers of melt blown PP with support layers integrated into a robust cage.

Key features:

- High flow and low pressure drop
- Wide chemical compatibility
- No fiber migration
- Reinforced end cap

Applications:

- Removal of colloids and gels
- Trap filtration of beers
- Particulate removal from solvents and paints

Quality first:

- Manufacturing acc. ISO 9001 in a controlled environment
- Comply with EU Regulation No. 1935/2004
- Materials used meet FDA title 21 and USP Class VI
- Batch traceability

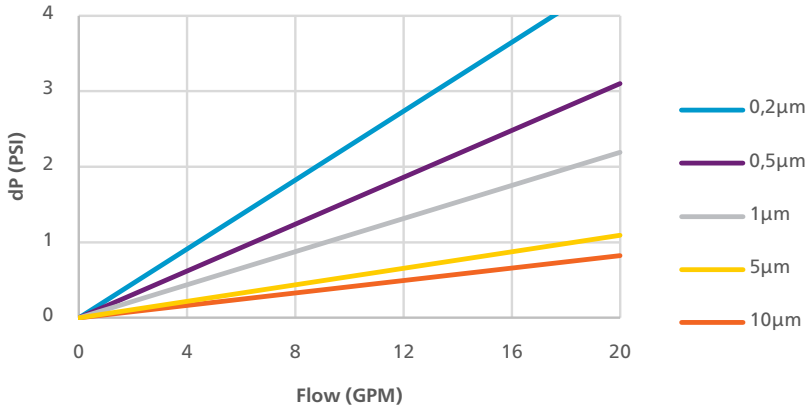
Protecting process, products and people

Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled environment subjected to strict QA/QC procedures.

Product specifications

Materials of construction	
Filter media	Multilayer melt blown polypropylene
Support	Polypropylene
Core/Cage	Polypropylene
End caps	Polypropylene + reinforcement
Dimensions	
Diameter	2.80"
Typical surface area	2.50 ft² (2.80" - 10")
Operating conditions	
Max. temperature	176°F
Max. differential pressure forward flow	72.5 PSI @ 70°F, 29 PSI @ 176°F
Max. differential pressure reverse flow	29 PSI @ 70°F
Recommended change out differential pressure	36 PSI
SIP/CIP	
Steam sterilization	≤ 20 cycles @ 250°F for 30 minutes @ dP 7.25 PSI
Hot water sanitization	50 cycles @ 104°F for 30 minutes with sodium hypochlorite (100 PPM) or peroxyacetic acid (100 PPM)

Flow rate



Note: 10" cartridge tested with water @ 68°F, 1.005 cP (typical flow rate)

Product configuration

Series	Rating	Length	End cap	Seal
PFP-D	0.2 µm	10"	C2 = 2 x 226 O-ring + 2 tabs/Flat	S = Silicone
	0.5 µm	20"	C3 = 2 x 222 O-ring/Flat	E = EPDM
	1 µm	30"	C7 = 2 x 226 O-ring + 2 tabs/Fin	V = Viton
	5 µm	40"	C8 = 2 x 222 O-ring/Fin	
	10 µm		C28 = 2 x 222 O-ring + 3 tabs/Fin	
	20 µm		DOE = Flat + gasket/Flat + gasket	

Example: PFP-D 1 µm 10" C28 S