



## PFP particle removal PP filters

Nominal surface filtration of liquids in food, pharmaceutical and industrial applications

PFP filters provide reliable and efficient filtration with a maximum service life in medium duty and semi-critical applications. Its filter media consist of a pleated single layer melt blown PP fiber with support layers integrated into a robust cage with reinforced core and end cap, making it suitable for nearly all operation, service and cleaning conditions.



### Key features:

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

### Applications:

- Pre-filtration for final membrane filters
- Filtration of potable, cleaning, process and product water (WFI)
- Particle removal in process liquids and products

### 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

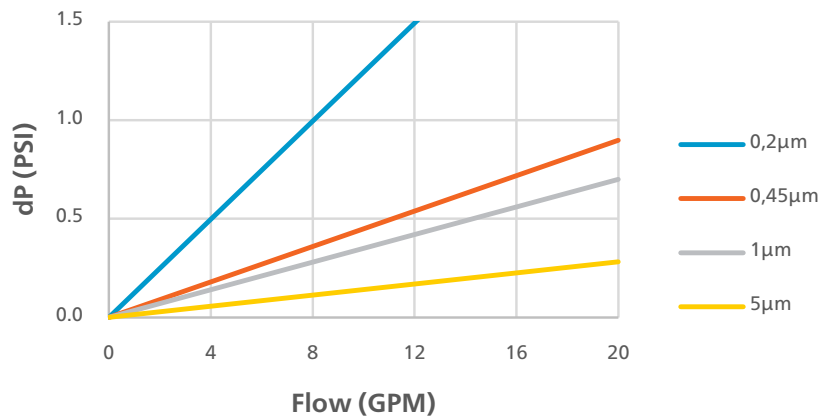
Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled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



## Product specifications

Materials of construction	
Filter media	Single layer melt blown polypropylene
Support	Polypropylene
Core/Cage	Polypropylene
End caps	Polypropylene + reinforcement
Dimensions	
Diameter	2.72"
Typical surface area	5.49 ft <sup>2</sup> (2.72" - 10")
Operating conditions	
Max. temperature	176°F
Max. differential pressure forward flow	58 PSI @ 140°F, 34.8 PSI @ 176°F
Max. differential pressure reverse flow	43.5 PSI @ 77°F
Recommended change out differential pressure	36 PSI
SIP/CIP	
Steam sterilization	≤ 20 cycles @ 275°F for 30 minutes @ dP 4.4 PSI

### 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	0.2 µm	J2.5"	CJ <sup>1</sup> = 116 internal O-rings	S = Silicone
	0.45 µm	J5"	C2 = 2 x 226 O-ring + 2 tabs/Flat	E = EPDM
	1 µm	10"	C3 = 2 x 222 O-ring/Flat	V = Viton
	3 µm	20"	C7 = 2 x 226 O-ring + 2 tabs/Fin	
	5 µm	30"	C8 = 2 x 222 O-ring/Fin	
	10 µm	40"	C28 = 2 x 222 O-ring + 3 tabs/Fin	
	20/50 µm		DOE = Flat + gasket/Flat + gasket	

<sup>1</sup>CJ only applicable to J2.5" and J5" and vice versa

**Example:** PFP 0.45 µm 20" C28 S

