



PFG particle removal GF filters

Nominal filtration of valuable liquids in food and pharmaceutical applications

PFG filters provide reliable and efficient filtration with a maximum service life and are specifically designed to remove colloids and yeast from liquids. Its filter media consist of a pleated single layer glass microfiber (positive zeta modified) 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
- High dirt holding capacity
- Wide chemical compatibility
- Zeta modified microfiber for removal of colloid and yeast

Applications:

- Pre-filtration for final membrane filters
- Filtration of potable, cleaning, process and product water (WFI)
- Removal of colloids and yeasts from valuable liquids
- Clarification stage filtration in Wine making

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.

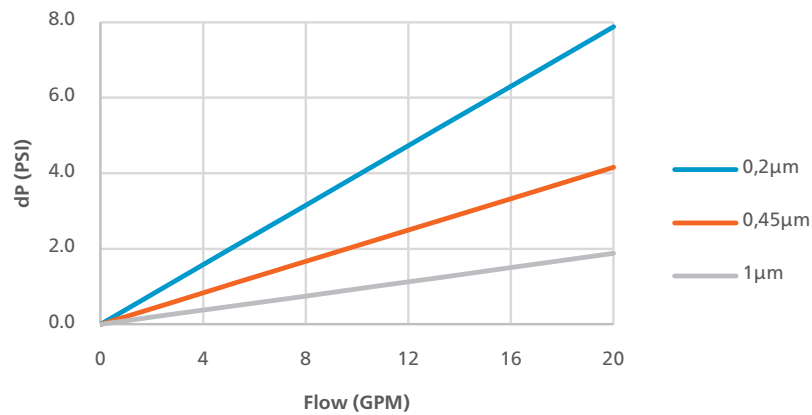


Product specifications

Materials of construction	
Filter media	Glass microfiber
Support	Polypropylene
Core/Cage	Polypropylene
End caps	Polypropylene + reinforcement
Dimensions	
Diameter	2.80"
Typical surface area	2.80 ft ² (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	185°F for 30 minutes @ dP 29 PSI
Cleaning solution	2% NaOH @ < 149°F

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Flow rate



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

Product configuration

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

Example: PFG 0.45 μm 20" C28 S

