



BME biological reduction PES membrane filters

Efficient filtration of valuable liquids in food and industrial applications

BME filters provide efficient microbiological reduction for medium-duty and semi-critical applications. Its high dirt holding capacity enables an extended service life. Its filter media consist of a single layer asymmetric, hydrophilic PES membrane 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 pre-wetting required, easy to use
- Reinforced end cap

Applications:

- Microbiological reduction
- Water filtration
- Yeast reduction in beer and wine

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
- Full 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.

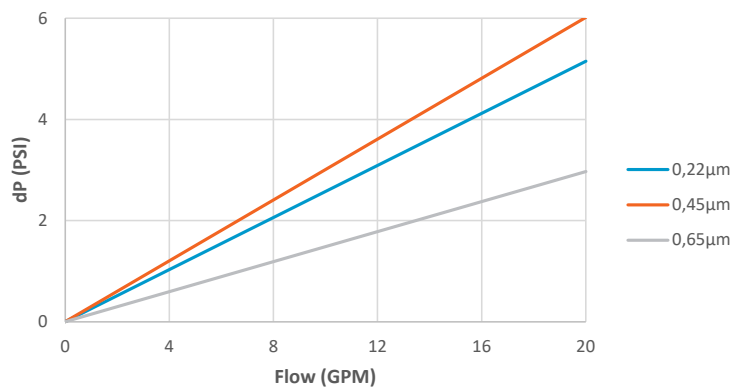


Technical specifications

Materials of construction	
Filter media	Asymmetric polyethersulphone membrane
Support	Polypropylene
Core/Cage	Polypropylene
End caps	Polypropylene + reinforcement
Dimensions	
Diameter	2.72"
Typical surface area	6.24 ft ² (2.72" - 10")
Operating conditions	
Max. temperature	176°F
Max. differential pressure forward flow	58 PSI @ 70°F / 35 PSI @ 158°F
Max. differential pressure reverse flow	35 PSI / 158°F
Recommended change out differential pressure	36 PSI
SIP/CIP	
Steam sterilization	≤ 100 cycles @ 250°F for 30 minutes @ dP 4 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
BME	0.22 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
	0.65 µm	20"	C7 = 2 x 226 O-ring + 2 tabs/Fin	V = Viton
	0.8 µm	30"	C8 = 2 x 222 O-ring/Fin	
	1.2 µm	40"	C28 = 2 x 222 O-ring + 3 tabs/Fin	
			DOE = Flat + gasket/Flat + gasket	

Example: BME 0.45 µm 5" C8 V

