



# PBP-A particle removal melt blown PP filters

Absolute depth filtration of liquids in food, pharmaceutical and industrial applications

PBP-A filters provide reliable and efficient filtration while having an extended service life thanks to its outstanding dirt holding capacity. Its filter media consist of thermally bonded fibers layered on a central high strength core with increasing fiber density towards the core. Thus, ensuring effective depth filtration and making it suitable for nearly all operation and service conditions. The bonded fibers assure no migration even under pulse conditions.



### Key features:

- High flow and low pressure drop through increased void volume
- Graded density for high dirt holding capacity
- Wide chemical compatibility
- Thermally bonded matrix minimizes fiber migration

### Applications:

- Pre-filtration of chemicals: paint, resins, ink
- Filtration of potable, cleaning, process and product water (WFI)
- Reverse Osmosis membrane protection

### 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.

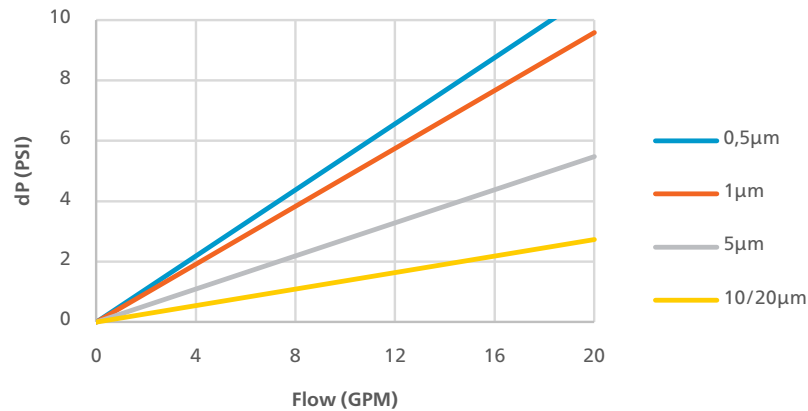


## Product specifications

Materials of construction	
Filter media	Polypropylene
Support	Polypropylene
Core/Cage	Polypropylene, Polypropylene (reinforced) – PBPD-A only
End caps	Polypropylene (reinforced)
Dimensions	
Diameter	2.52"
Typical surface area	1.10"
Operating conditions	
Max. temperature	PBP-A = 176°F, PBPD-A = 212°F
Max. differential pressure forward flow	PBP-A = 58.02 PSI @ 68°F / 21.76 PSI @ 122°F PBPD-A = 58.02 PSI @ up to 122°F / 34.81 PSI @ 176°F / 21.76 PSI @ 212°F
Recommended change out differential pressure	36.26 PSI
SIP/CIP	
Steam sterilization	≤ 240 cycles @ 249.8°F for 60 minutes @ dP 4.35 PSI
Hot water sanitization	194°F for 30 minutes @ dP 2.90 PSI

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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
PBP-A	0.5 µm	5"	C2 = 2 x 226 O-ring + 2 tabs/Flat	S = Silicone
PBPD-A	1 µm	9.75" (251 mm)	C3 = 2 x 222 O-ring/Flat	E = EPDM
	3 µm	10" (251 mm)	C7 = 2 x 226 O-ring + 2 tabs/Fin	V = Viton
	5 µm	20"	C8 = 2 x 222 O-ring/Fin	
	10/20/30 µm	30"	C28 = 2 x 222 O-ring + 3 tabs/Fin	
	50/70/90 µm	40"	N = None	

**Example:** PBP-A 30 µm 20" C2 E

