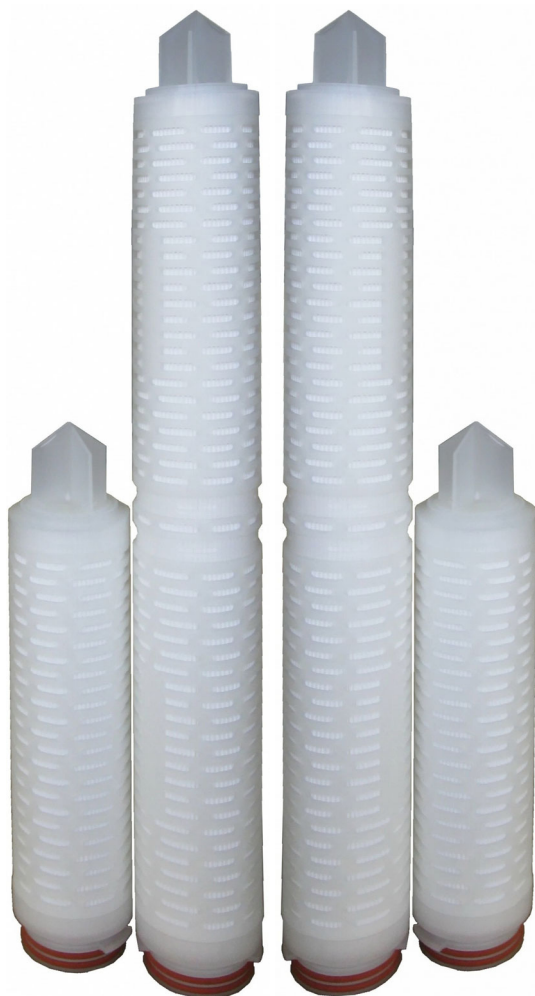


AFP series

FILTERING CARTRIDGES
ABSOLUTE - PLEATED
OD 2.7" (68 mm)



MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESINS
- PHARMACEUTICAL
- MICROELECTRONICS
- GALVANIC
- STEEL MILL
- GENERAL INDUSTRY

FEATURES:

- High filtration area
- High flow-rate
- High dirt holding capacity
- Resistant to contaminant unloading even at high Delta-P
- Filtration direction from outside to inside
- Six end cap configurations available
- Four different filter media available
- Pure polypropylene hardware
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- Fusion bonding assembly
- FDA approved materials (*only for full polypropylene model*)
- 1935/2004/CE certification available upon request (*only PP version*)
- Absolute filtration rating from 0.6 to 120 μm

ASCO FILTRI

a **mott** company



Brochure no.: 010-AFP-22-UK-4

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AFP series

**FILTERING CARTRIDGES
ABSOLUTE - PLEATED
OD 2.7" (68 mm)**

TECHNICAL DATA

MAX. WORKING TEMPERATURE
80 °C (polypropylene core)
95 °C (stainless steel core)

STERILIZATION/ SANITIZATION
- Autoclaving at 121 °C for 30'
without Delta-P
- In hot water at 80 °C for 60'
in line

DIFFERENTIAL PRESSURE
Cartridges replacement:
2.0 bar @ 25 °C
Max. allowable:
5.0 bar @ 25 °C

CONSTRUCTION MATERIAL

Filter media:

- Polypropylene
- Fibre glass
- Polyester
- Stainless steel mesh

Hardware:

- Polypropylene

Gaskets:

- Buna-n
- EPDM
- Viton
- Silicone
- FEP
- PTFE (only DOE)

DIMENSIONS

External diameter:
2.7" (68 mm)

Internal diameter:
1.1" (28 mm)

1.4" (36 mm) (only cod. 9L)

Length:

10", 20", 30", 40", 50" 60"

FILTERING AREA x 10"

Polypropylene core:

0.6 ÷ 5 µm: 0.5 m²

10 ÷ 80 µm: 0.6 m²

Stainless steel core:

0.6 ÷ 5 µm: 0.57 m²

10 ÷ 80 µm: 0.68 m²

Flow-rate / Delta-P data - DHC:

Filtration (µm)	Polypropylene			Fibre glass			PP / GF	DHC
	Liquids			Liquids				
	1 cP	10 cP	25 cP	1 cP	10 cP	25 cP	Air	[gr]
0.6	1.00	0.10	0.06	1.20	0.12	0.05	0.018 cP	60
1	1.80	0.20	0.10	1.50	0.15	0.06	50	70
3	1.90	0.20	0.10	2.00	0.20	0.08	60	75
5	2.00	0.35	0.15	2.00	0.20	0.08	70	75
10	2.00	0.64	0.40	2.30	0.23	0.09	70	80
25	2.50	1.10	0.68	2.50	0.25	0.10	70	80
50	2.60	1.12	0.70	-	-	-	70	85
≥ 80	2.80	1.20	0.75	-	-	-	70	85

Liquids flow-rate (m³/h) - Air flow-rate (Am³/h) - Clean Delta-P 0.1 bar. Flow-rate valid for 10" long cartridges.

For gas different than air: DP = 0.1 x gas viscosity (cP) / 0.018 cP (air).

Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

Filtration efficiency / Available filtration rating:

Filtration (µm)	Efficiency			
	Liquids		Gas	
	99.98%	90%	99.98%	90%
0.6	0.6 µm	0.25 µm	0.2 µm	< 0.1 µm
1	1 µm	0.45 µm	0.3 µm	0.15 µm
3	3 µm	0.80 µm	1 µm	0.5 µm
5	5 µm	2.0 µm	2 µm	0.8 µm
10	10 µm	4.5 µm	3 µm	1 µm
25	25 µm	10 µm	5 µm	3 µm
50	50 µm	25 µm	10 µm	5 µm
80	80 µm	60 µm	20 µm	10 µm
120	120 µm	100 µm	100 µm	75 µm

Filtration efficiency of liquids defined with Multipass ISO 4572 test

Filter media	Filtration rating (µm)								
	0.6	1	3	5	10	25	50	80	120
Polypropylene	X	X	X	X	X	X	X	X	X
Fiberglass	X	X	X	X	X	X			
Polyester			X	X	X	X	X	X	

Contact us for any further information.

We reserve the right to change the data of this specification without notice.

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