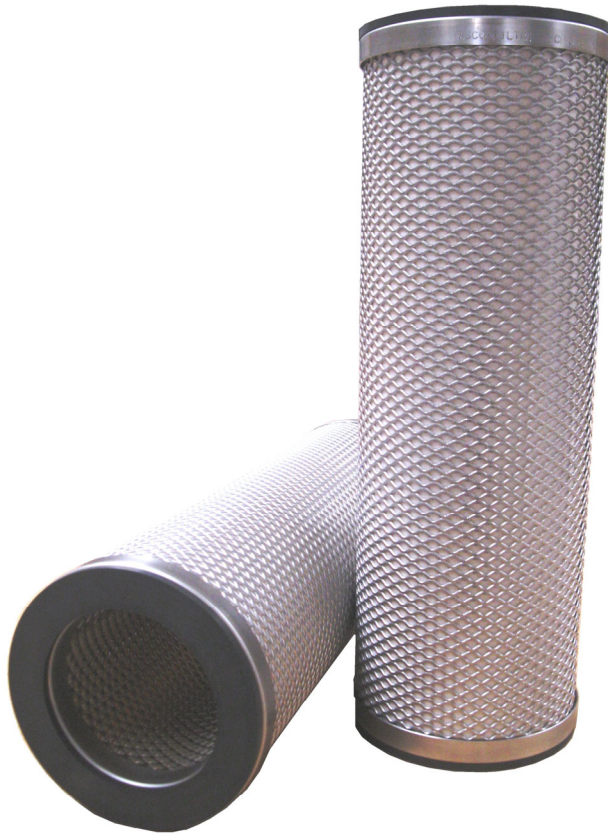


FV series

FILTERING CARTRIDGES
PAPER / FIBRE GLASS
OD 68-95-120 mm



MAIN APPLICATIONS:

- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINT AND RESINS
- PHARMACEUTICAL
- HYDRAULIC
- GENERAL INDUSTRY

CHARACTERISTICS:

- High surface area
- High flow-rate
- High dirt holding capacity
- Filtration direction from outside to inside
- Two construction materials available
- Stainless steel or tinned steel hardware available
- Wide range chemical compatibility
- Epoxy resin for end caps assembly
- Suitable for both liquid and gas filtration
- Absolute filtration rating from 0.45 to 50 μm in liquids service
- Absolute filtration rating from 0.3 to 10 μm in gas service

ASCO FILTRI

a **mott** company

FV series

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PAPER / FIBRE GLASS
OD 68-95-120 mm

TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge replacement:

1.1 bar @ 25 °C

Max. allowable:

OD 68: 5.0 bar @ 25 °C

OD 95: 3.0 bar @ 25 °C

OD 120: 3.0 bar @ 25 °C

MAX. WORKING TEMPERATURE

120 °C

160 °C (FV series - HT version)

CONSTRUCTION MATERIALS

Filter media:

- Resin impregnated paper

- Fibre glass

Support layers:

- Polyester

Hardware:

- Tinned steel

- Stainless steel

Gaskets:

- Buna-n

- EPDM

- Viton

- Silicone

DIMENSIONS

Type 1:

OD 68 - ID 26 mm

Type 2:

OD 68 - ID 38 mm

Type 3:

OD 95 - ID 52 mm

Type 4:

OD 120 - ID 80 mm

Length:

350, 500, 750, 1000 mm

FILTERING AREA

110/210: CP=0.45 m² - FV=0.40 m²

120/220: CP=0.90 m² - FV=0.80 m²

130/230: CP=1.35 m² - FV=1.20 m²

140/240: CP=1.80 m² - FV=1.60 m²

313: CP=1.00 m² - FV=0.90 m²

320: CP=1.43 m² - FV=1.28 m²

330: CP=2.14 m² - FV=1.92 m²

340: CP=2.85 m² - FV=2.56 m²

413: CP=1.43 m² - FV=1.30 m²

420: CP=2.00 m² - FV=1.85 m²

430: CP=3.00 m² - FV=2.77 m²

440: CP=4.00 m² - FV=3.69 m²

Flow-rate / Delta-P data:

Filtration (µm)	Liquids		Air	Liquids		Air	Liquids		Air	Liquids		Air
	1 cP	5 cP	0.018 cP	1 cP	5 cP	0.018 cP	1 cP	5 cP	0.018 cP	1 cP	5 cP	0.018 cP

	Size 110			Size 120			Size 130			Size 140		
0.45	0.8	0.6	25	1.6	1.2	50	2.4	1.8	50	3.2	2.4	50
1	1.5	1.2	25	3.0	2.4	50	4.5	3.6	50	5.0	4.8	50
5	2.0	1.6	28	4.0	3.2	50	5.0	4.8	50	5.0	5.0	50
10	2.0	1.6	28	4.0	3.2	50	5.0	4.8	50	5.0	5.0	50
≥25	2.2	1.7	30	4.2	3.4	50	5.0	5.0	50	5.0	5.0	50

	Size 210			Size 220			Size 230			Size 240		
0.45	0.9	0.7	35	1.8	1.4	70	2.7	2.1	105	3.6	2.8	115
1	1.8	1.5	35	3.6	3.0	70	5.4	4.5	105	7.2	6.0	115
5	2.3	1.8	35	4.6	3.6	70	6.9	5.4	105	8.0	7.2	115
10	2.3	1.8	35	4.6	3.6	70	6.9	5.4	105	8.0	7.2	115
≥25	2.3	1.8	40	4.6	3.6	80	6.9	5.4	115	8.0	7.2	115

	Size 313			Size 320			Size 330			Size 340		
0.45	4.5	3.6	100	6.4	5.1	140	9.6	7.6	210	12.8	10.2	210
1	5.4	4.3	100	7.7	6.1	140	11.5	11.5	210	15.0	15.0	210
5	5.4	4.3	110	7.7	6.1	155	11.5	11.5	210	15.0	15.0	210
10	7.8	6.2	110	11.0	8.8	155	15.0	15.0	210	15.0	15.0	210
≥25	8.0	6.4	115	11.4	11.4	165	15.0	15.0	210	15.0	15.0	210

	Size 413			Size 420			Size 430			Size 440		
0.45	8.0	6.4	170	11.0	9.0	242	16.5	13.5	363	18.0	18.0	480
1	9.0	7.2	170	12.8	10.2	242	19.2	15.3	363	25.6	20.4	480
5	9.0	7.2	180	12.8	10.2	257	19.2	15.3	385	25.6	20.4	480
10	10.0	8.0	180	14.2	11.4	257	21.3	17.1	385	28.4	22.8	480
≥25	11.0	8.8	200	15.7	12.5	285	23.5	18.7	427	31.4	25.0	480

Liquid flow-rate (m³/h) - Air flow-rate (Am³/h) - Clean Delta-P 0.1 bar.

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:

Fluid	Filtration rating					
	0.45	1	5	10	25	50
Liquids	0.45 µm	1 µm	5 µm	10 µm	25 µm	50 µm
Wet gas	0.45 µm	1 µm	5 µm	10 µm	25 µm	50 µm
Dry gas	0.3 µm	0.6 µm	1 µm	3 µm	5 µm	10 µm

Contact us for any further information.

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

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