



1401 Series

PLEATED CARTRIDGES
CELLULOSE/FIBERGLASS/PP/ECTFE
DIAMETER 95 mm

MAIN APPLICATIONS:

- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- POWER GENERATION
- GENERAL INDUSTRY
- HYDRAULIC

CHARACTERISTICS:

- High surface area
- High separation efficiency
- High dirt holding capacity
- High mechanical strength
- High temperature media available
- Low pressure drop
- Flow direction from outside to inside
- Suitable for both liquids and gas filtration
- Four filter media available
- Wide range chemical compatibility
- Epoxy resin for end caps assembly
- Stainless steel hardware
- Nine filtration rating available
- Separation efficiency: up to 99.98% for solids in liquid service, Up to 99.99% for solids > 0.3 μm in gas service
- Internal O-ring seal for positive sealing
- Retrofit for Pall MCC1401 and Duo-Fine 1401 series cartridges

ASCO FILTRI

a **mott** company

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DIAMETER 95 mm

TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge replacement:
2.4 bar @ 25 °C
Max. allowable:
3.0 bar @ 93 °C

WORKING TEMPERATURE

Standard version:
Cellulose: 120 °C
Fiberglass: 120 °C
Polypropylene: 93 °C
Fluoropolymer: 120 °C
High temperature HT version:
Cellulose: 135 °C
Fiberglass: 160 °C
Polypropylene: N.A.
Fluoropolymer: 149 °C

CONSTRUCTION MATERIAL

Filter media:
- Cellulose
- Fiberglass
- Polypropylene
- Fluoropolymer ECTFE
Hardware:
- Stainless steel
Terminali:
- Stainless steel

DIMENSIONS

Dia. 95/54 x 915 mm

FILTERING AREA

Up to 5.0 m²

Flow-rate / Delta-P data:

Flow-rate [m ³ /h]	Filtration rating								
	0.6	001	003	005	006	010	015	025	050
1 cP	12.8	15.4	15.4	16.0	16.0	22.0	22.0	22.8	22.8
5 cP	10.2	12.2	12.2	12.7	12.7	17.6	17.6	18.2	18.2
10 cP	6.4	7.6	7.6	7.9	7.9	11.0	11.0	11.4	11.4

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

Flow-rate valid for clean water or liquids, reduce flow-rate according to the application.

Flow-rate [Am ³ /h]	Filtration rating								
	0.6	001	003	005	006	010	015	025	050
1 cP	140	150	150	155	155	165	165	170	170

Air flow-rate (Am³/h). Delta-P 0.07 bar.

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

Flow-rate valid for clean gas, reduce flow-rate according to the application.

Filtration efficiency:

Fluid	Filtration rating								
	0.6	001	003	005	006	010	015	025	050
Liquids	0.6 µm	1 µm	3 µm	5 µm	6 µm	10 µm	15 µm	25 µm	50 µm
Wet gases	0.6 µm	1 µm	3 µm	5 µm	6 µm	10 µm	15 µm	25 µm	50 µm
Dry gases	0.15 µm	0.3 µm	0.6 µm	1 µm	1.2 µm	3 µm	3 µm	5 µm	10 µm

Media grade availability:

Media	Filtering grade availability								
	0.6	001	003	005	006	010	015	025	050
Cellulose		X	X	X		X	X	X	
Fiberglass	X	X	X	X		X		X	
Polypropylene	X	X	X	X		X		X	X
Fluoropolymer					X	X	X		

Contact us for any further information.

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

ASCO Filtri S.p.A.

Viale delle Scienze, 8
20082 Binasco (MI) - Italy

Phone: +39 02 89703.1

Fax: +39 02 89703.410

E-mail: info@ascofiltri.com

Web: www.ascofiltri.com

ASCO
FILTRI
a **mott** company