

HYD series

HYBRID FILTERING CARTRIDGES
PLEATED DEPTH
OD 2.7" (68 mm)



MAIN APPLICATIONS:

- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- PAINTS AND RESINS
- PHARMACEUTICAL
- MICROELECTRONICS
- GENERAL INDUSTRY

FEATURES:

- Innovative hybrid filter media
- Combine clarification capabilities of depth media with the high flow-rate typical of the pleated media
- Different layers of graded pore polypropylene melt-blown media
- High gel retaining capability
- High dirt holding capacity
- Resistant to contaminant unloading even at high Delta-P
- Non fibre releasing
- Filtration direction from outside to inside
- Six end cap configurations available
- Polypropylene hardware
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- Thermo-welded assembly
- FDA CFR Title 21 and NSF42 approved polypropylene
- 1935/2004/CE certification available upon request
- Filtration rating from 1.0 to 50 µm



Brochure no.: 011-HYD-22-UK-4

ASCO FILTRI

a **mott** company

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

HYD series

**HYBRID FILTERING CARTRIDGES
PLEATED DEPTH
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:
4.0 bar @ 25 °C (PP core)
5.0 bar @ 25 °C (SS core)

CONSTRUCTION MATERIAL

Filter media:

- Polypropylene

Hardware:

- 100% Polypropylene
- PP + 316 SS core
(only cod. 9L)

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) (solo cod. 9L)

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

FILTERING AREA

10": 0.18 m²
20": 0.36 m²
30": 0.54 m²
40": 0.72 m²
50": 0.90 m²
60": 1.08 m²

Flow-rate / Delta-P data - DHC:

Filtration (µm)	Liquids			Air 0.018 cP	DHC [gr]
	1 cP	10 cP	25 cP		
001	0.60	0.06	0.03	40	80
002	0.90	0.09	0.05	50	90
004	1.50	0.15	0.08	55	95
006	1.70	0.17	0.09	55	95
010	2.00	0.64	0.40	55	100
020	2.10	1.10	0.68	55	100
040	2.20	1.15	0.70	55	110
050	2.20	1.20	0.75	55	110

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:

Filtration (µm)	Efficiency	
	99.98%	90%
001	1.0 µm	0.8 µm
002	2.0 µm	1.2 µm
004	4.5 µm	1.6 µm
006	6.0 µm	2.0 µm
010	10 µm	5.2 µm
020	20 µm	9.6 µm
040	40 µm	17.5 µm
050	50 µm	24 µm

Filtration efficiency for liquids defined with Multipass
ISO 4572 test

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