

TeflonFlow FILTER CARTRIDGES

Hydrophobic and Hydrophilic PTFE Filters for broad chemical compatibility and aqueous-based liquids and inks

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HYDROPHOBIC AND HYDROPHILIC PTFE FILTERS WITH POLYPROPYLENE SUPPORTS, IDEAL FOR A WIDE RANGE OF CHEMICAL FILTRATION AND FILTRATION OF AQUEOUS-BASED LIQUIDS AND INKS

TeflonFlow Filter Cartridges are available as hydrophobic PTFE or hydrophilic PTFE filters with polypropylene supports. TeflonFlow hydrophobic filters are ideal for use with wide range of chemicals with excellent corrosion resistance. The TeflonFlow hydrophilic version has no pre-wetting requirement, ideal when operating with aqueous-based liquids. These filters are recommended for final filtration of marking and coding inks.



FEATURE	BENEFIT
PTFE membrane with polypropylene construction (supports)	Available as hydrophobic or hydrophilic, with high retention efficiency
	Broad chemical compatibility with excellent oxidation resistance for aggressive acids and base filtration, specifically strong solvent filtration from printer inks
	High flow rates
	Low extractable
Removal Ratings of 0.02 µm to 10 µm	Meets or exceeds ink quality requirements for ink jet ink printing
Quality Assurance	Manufactured in a facility which adheres to ISO 9001 Practices.
Particle Shedding	Non-fiber releasing. Autoclaved filter effluent meets the requirements in USP <788>
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)

SPECIFICATIONS

Filter media	LPF: Hydrophobic PTFE membrane LHPF: Hydrophilic PTFE membrane
Supports/core/cage/end caps	Polypropylene
Effective filtration area	0.74 - 0.98 m ² (8.0 - 10.6 ft ²)/ φ68-10 inch
O-rings	Silicone, EPDM, FKM, FEP/PFA encapsulated FKM
Cartridge diameter	68 mm (2.6 in.)
Max. Operating Temperature	80°C
Max. Differential pressure	0.40 MPa (4.0 bar, 58 psi) at 60°C 0.24 MPa (2.4 bar, 35 psi) at 80°C

Typical Applications

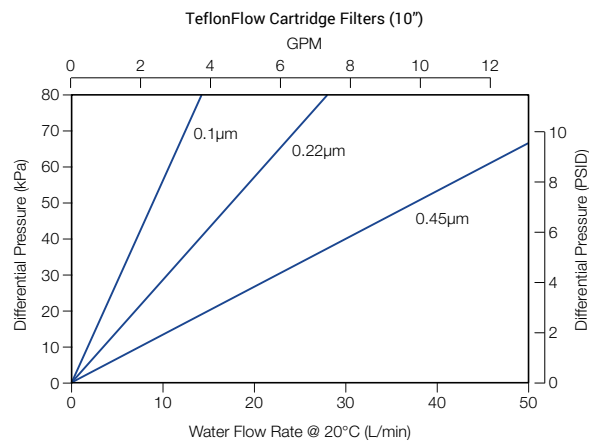
- Pigment Inks
- Ceramic Inks
- Aqueous Inks
- Clarification

CHEMICAL COMPATIBILITY

Benzene	R
Dimethylbenzene	R
Acetone	R
Trichloroethylene	R
Tetrachloromethane	R
Tetrahydrofuran	R
Dimethylether	R
Ether	R
Butanone	R

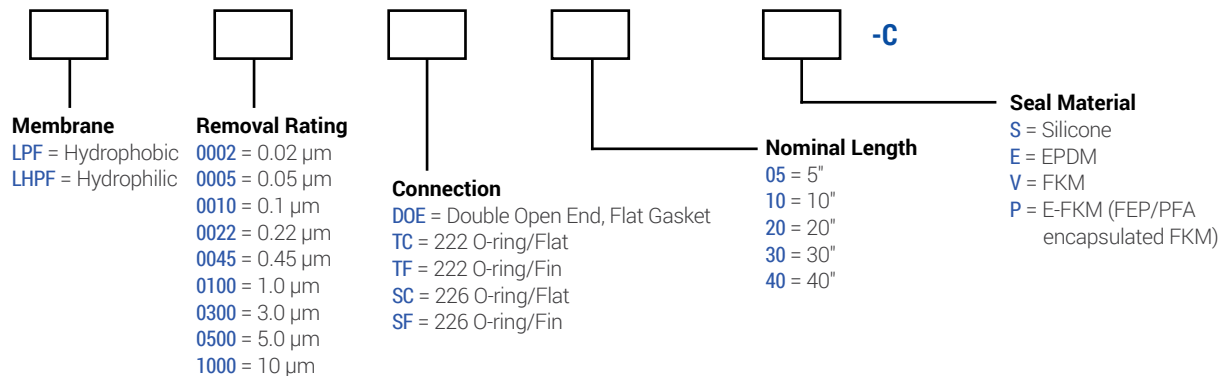
R = Recommended

FLOW RATES



ORDERING INFORMATION

EXAMPLE: **LPF0100SF10E-C** = hydrophobic, 1.0 µm, 226/Fin, 10" filter with EPDM seals



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