

POLYFIL PP Liquid filter cartridges

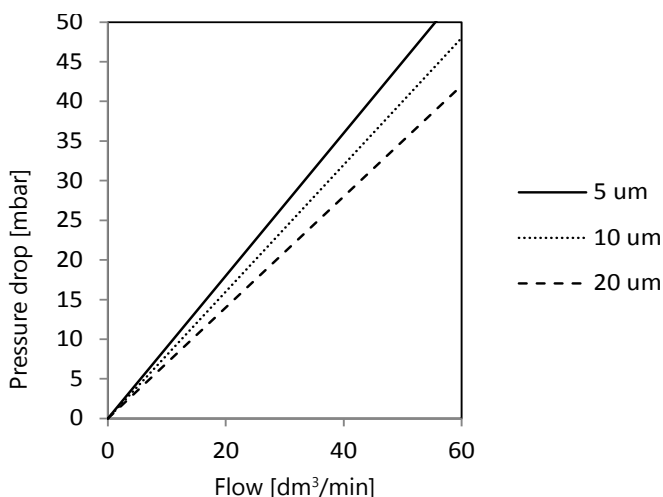
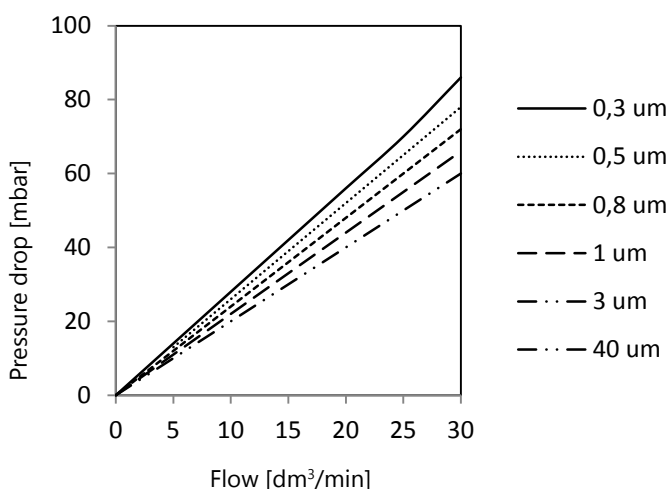


- Absolute retention rating from 0,3 μm to 20 μm .
- Pleated construction with large filtration area.
- Graded density for excellent particle retention
- Wide range of available end caps.
- All-polypropylene construction.

POLYFIL PP liquid filter cartridges are made from polypropylene of pharmaceutical quality. They are designed for wide range of industrial processes, where the process safety depends on the quality of filtration.

POLYFIL PP cartridges can be used both in pre-filtration and final clarification filtration. Polypropylene construction provides broad range of chemical compatibility, especially in acids, bases and aliphatic organic matter solutions. It results in broad range of possible sanitising media usage.

POLYFIL PP cartridges have been developed as a result of many filtration tests. "Melt blown" type filtration media (polypropylene microfibers) provides maximum pollution capacity and minimum flow resistance. Closely controlled fibre diameter in a multiple layered construction serve to maximise service life whilst delivering absolute particle retention. Filtration medium is resistant to pollution reemission and sharp pressure change. Thanks to low flow resistance it can be used also for viscous liquid filtration. POLYFIL PP cartridge can be steam sterilised repeatedly (version with reinforced end cup).



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Structural materials

Filtration media:	melt blown polypropylene
Upstream support:	polypropylene
Downstream support:	polypropylene
Core:	polypropylene
Outer protection cage:	polypropylene
End caps:	polypropylene

Filtration area

0.6 - 0.7 m² 10" (250 mm)

Maximum recommend continuous operating temperature

80°C

Maximum pressure drop

4,0 bar @ 20°C

Recommended pressure drop to cartridge exchange:

2 bar @ 20°C

Biological safety

According to FDA CFR21

Sterilisation

POLYFIL PP cartridges can be repeatedly sterilised or autoclaved up to 121°C (recommended time of one cycle is 20 min).

Sanitisation

POLYFIL PP cartridges can be sanitised with hot water at up to 90°C as well as wide range of chemicals.

Contact with food

POLYFIL PP cartridges meet European Directives: 82/711/ECC, 85/572/ECC, 89/109/ECC, 93/8/ECC, 97/48/EC, 2001/61/EC, 2002/16/EC, 2002/72/EC and 2004/19/EC for food contact use and fiber migration.

Specification of retention rate

Micron rating is specified as absolute by using testing system which measures concentration of ACFTD particles with multichannel laser counter.

Ordering information

POLYFIL PP filter cartridges are fully identified by unique code numbers which can be easily built up for ordering and identification purposes. To specify the POLYFIL PP filter cartridge you require, simply insert your particular requirements in the master code shown.

Type	Length [inch]	Micron rating [µm]	End cap	O-rings	Other
PLFPP	5 = 5	0.3 = 003	Double open end = DOE	E = EPDM	For pharmacy (rinsed with ultra-pure water) = P
	10 = 10	0.5 = 005	226(7) = 6	S = Silikon	
	20 = 20	0.8 = 008	222(3) = 2	V = Viton	
	30 = 30	1.0 = 010	126 = T	X = Inne	
	40 = 40	3.0 = 030	Other = S		
		5.0 = 050			
		10.0 = 100			
		20.0 = 200			