

LiquiPro™ PA

Polypropylene Pleated Cartridge Filters



Superior high retention performance filters made of high quality Polypropylene (PP) media with low pressure drop, high flow rate and long service life.

Features and Benefits

- Optimised graded density with fine pore sizes in inner layers and larger pore sizes in the outer layers for high removal efficiency for improved protection of downstream final filters or for improved effluent quality with excellent long service life.
- LiquiPro™ PA technology - Patented, proprietary and continuous co-located precision pore formation technology that ensures filter-to-filter, lot-to-lot performance.
- Certificate of quality enclosed.
- 100% virgin polypropylene construction without the use of binders, adhesive or surfactants to ensure purity performance is not compromised.

Typical Applications

- Electro-Copper plating filtration.
- Silica and Ceria slurries filtration at facilities, point of tool.
- DI water cleaning, developing, wet etching and stripping process for flat panel.
- Advanced PCB manufacturing.
- Photovoltaic water, chemical and gas applications.
- Chemical manufacturing.
- Data storage industries.

Performance Specifications

Pore size rating

0.1, 0.2, 0.45, 1, 2, 3, 5, 10, 20, 30, 40µm

Maximum forward differential pressure:

4.81 bard (69.69 psid) @ 20°C (68°F)

2.75 bard (39.83 psid) @ 60°C (140°F)

1.37 bard (19.91 psid) @ 90°C (194°F)

Recommended change-out differential pressure

2.45 bard (35.56 psid)

Compatibility and purity

Filters do not use any binders, surfactants and adhesives for broad usage compatibilities. Only 100% virgin polypropylene is used.

Materials of construction

Filter media: LiquiPro™ PA Polypropylene (PP)

Support: Polypropylene

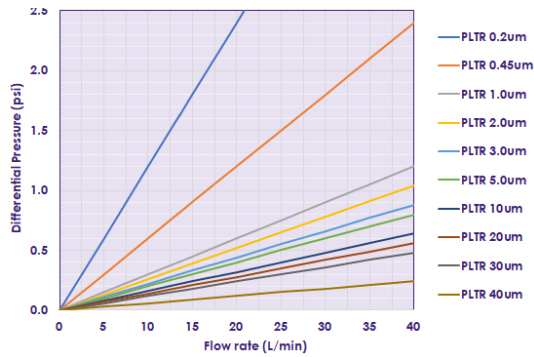
End caps, core, cage: Polypropylene

O-rings: EPDM, FKM and E-FKM

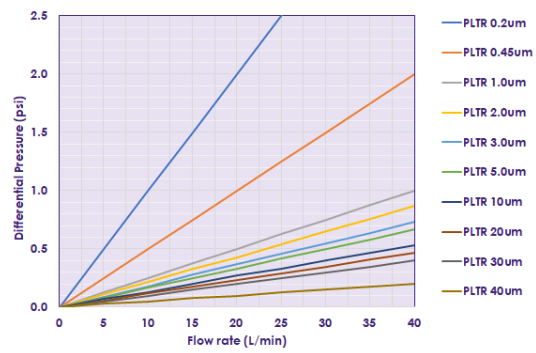
Maximum operating temperature

90°C (194°F)

Flow Rates: LiquiPro™ PA (diameter: 70mm)



Flow Rates: LiquiPro™ PA (diameter: 80mm)



* Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Ordering Information

To form a part number, please chose one option from each column below.

Product Name	Micron Rating	Adaptor Code	Seals	Cleanliness	Length	Key Option
PA: LiquiPro™ PA (70mm dia)	010: 0.1µm	A : 222/flat	E: EPDM	- : N/A	10: 10in	- : N/A
PAL: LiquiPro™ PA(80mm dia)	020: 0.2µm	K: 226/flat	T: E-FKM		20: 20in	
PAX: LiquiPro™ PA(130mm dia)	045: 0.45µm	M: DOE	V: FKM		30: 30in	
	100: 1µm	R: 334/flat				
	200: 2µm					
	300: 3µm					
	500: 5µm					
	10: 10µm					
	20: 20µm					
	30: 30µm					
	40: 40µm					

Diameter	Code-A	Code-M
10in (Dia: 70mm)	Code A = 266mm +/- 2	Code M = 254mm +/- 2 default. Customer to specify length
20in (Dia: 70mm)	Code A = 506mm +/- 4	Code M = 508mm +/- 4 default. Customer to specify length
30in (Dia: 70mm)	Code A = 750mm +/- 4	
10in (Dia: 80mm)	Code A = 240mm +/- 2	
10in (Dia: 130mm)	Code R = 270mm +/- 2	

Ask for technical support. Non-standard requests may require longer lead time.



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