

# 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, 40 µm

#### 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

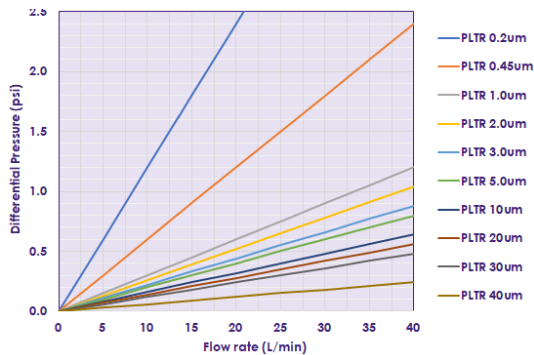
End caps, core, cage: Polypropylene

O-rings: EPDM, FKM and E-FKM

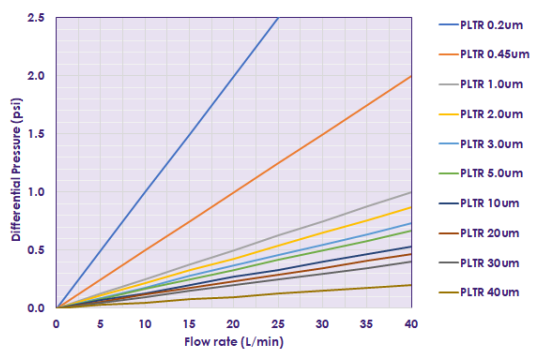
#### Maximum operating temperature

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 choose one option from each column below.

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

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

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