

LiquiPro™ PA

Polypropylene Pleated Cartridge Filters

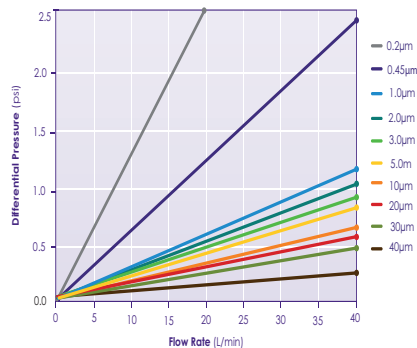


Superior high retention performance filters made of high quality Polypropylene (PP) media with low pressure drop, high flow rate and long service life.

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 is not compromised.

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



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

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: Polypropylene (PP)

Support: Polypropylene

End caps, core, cage: Polypropylene

O-rings: FEP Encapsulated Silicone, FFKM

Gaskets: PTFE (DOE only)

Maximum operating temperature

90°C (194°F)

Element Dimensions

Length	Diameter	Code A	Code R	Code M	
10"	70mm	266mm +/-2	-	254mm +/-2	Default - Customer to specify length
20"	70mm	506mm +/-4	-	508mm +/-2	Default - Customer to specify length
30"	70mm	750mm +/-4	-	-	
10"	80mm	240mm +/-2	-	-	

Ordering Information

To form a part number, please choose one option for each column below.

Product Code: 1 2 3 4 5 **PA010AG10**

Product Name	Micron Rating	Adaptor code	Seals	Length
PA LiquiPro PA (70mm Dia)	010 0.1µm	A 222 / flat	G FEP Encap Silicone	10 10"
	020 0.2µm	B 226 / fin	K FFKM	20 20"
	045 0.45µm	C 222 / fin	T E-FKM	30 30"
	100 1µm	K 226 / flat	J PTFE Gasket (Code M)	
	200 2µm	M DOE		
	300 3µm			
	500 5µm			
	1000 10µm			
	2000 20µm			
	3000 30µm			
	4000 40µm			

Product Code: 1 2 3 4 5 **PAL010AG10**

Product Name	Micron Rating	Adaptor code	Seals	Length
PAL LiquiPro PA (80mm Dia)	010 0.1µm	A 222 / flat	G FEP Encap Silicone	10 10"
	020 0.2µm		K FFKM	
	045 0.45µm		T E-FKM	
	100 1µm			
	200 2µm			
	300 3µm			
	500 5µm			
	1000 10µm			
	2000 20µm			
	3000 30µm			
	4000 40µm			