

LiquiPro™ PH

UHP Hydrophilic PVDF
Membrane Filter



LiquiPro™ PH is a proprietary high-performance hydrophilic PVDF membrane with high efficiency and high capacity to remove particles and microorganisms.

Features and Benefits

- Optimised high-flow hydrophilic PVDF membrane structure and support materials that ensure high particle retention efficiency along with low pressure drop, high flow rate and long service life.
- Permanent hydrophilic membrane without the use of additives, surface modification agents or post-treatments to ensure purity is not compromised.
- Certificate of quality enclosed with each lot of product for quality assurance that ensures filter-to-filter, lot-to-lot performance.
- High purity application filters manufactured in clean room environment.
- Fast rinse up time as filters has been preflushed with Ultrapure DI water (18.2 Megaohm-cm, TOC less than 15ppb).

Typical Applications

- Ultrapure DI water facilities.
- Dilute acids and DI water cleaning bath in semiconductor wafer fabs.
- Detergent, DI water cleaning bath in hard disk, media and substrate manufacturing.
- Cleaning and rinsing processes in the photo-electric and flat panel display.
- Point of use food and beverage filtration.

Performance Specifications

Pore size rating

0.1, 0.2, 0.45 µm

Maximum differential pressure:

5.39 bard (78 psid) @ 20°C (68°F)

1.7 bard (24psid) @ 80°C (176°F)

Recommended change-out differential pressure

2.0 bard (30 psid)

Compatibility and purity

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

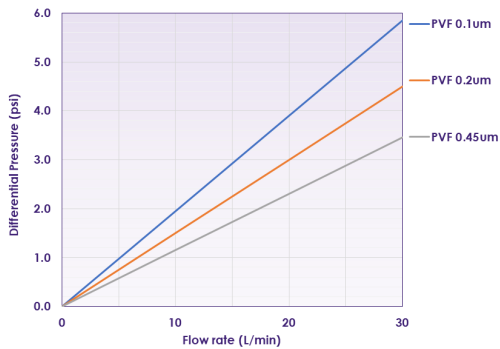
Food, Drug and Water Contact Use

Meets the requirement of the FDA Title 21 of the Code of Federal Regulations. Comply with EU Directive 2002/72/EC for plastic in food contact.

Materials of construction

Filter media: Hydrophilic PDVF membrane with PET support
 Support: Polypropylene
 End caps, core, cage: Polypropylene
 O-rings: EPDM, Viton®, Silicone, Buna-N, PTFE encap. Viton®, Polyethylene

Flow Rates: LiquiPro™ PH series



* 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
PV: LiquiPro™ PH	010 : 0.1 µm	A : 222/flat	T : E-FKM	S : Class 100 Cleanroom	05 : 5in*	- : N/A
	020 : 0.2 µm	C : 222/fin	E : EPDM	E : E GradeTOC <50 ppb	10 : 10in	
	045 : 0.45 µm	K : 226/flat	V : FKM	U : Ultra High Purity <40 ppb	20 : 20in	
		B : 226/fin	S : Silicone			* Non standard request.
		M : DOE				

Diameter	Code 0	Code M
10 = 10in (Dia: 80 mm)	Code 0 = 266 mm ± 2	Code M = 254 mm ± 2 default. Customer must specify length
20 = 10in (Dia: 80 mm)	Code 0 = 506 mm ± 4	Code M = 508 mm ± 2 default. Customer must specify length
05 = 5in (Dia: 70 mm)	Code 0 = 130 mm ± 2	