

## 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 cleanroom 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

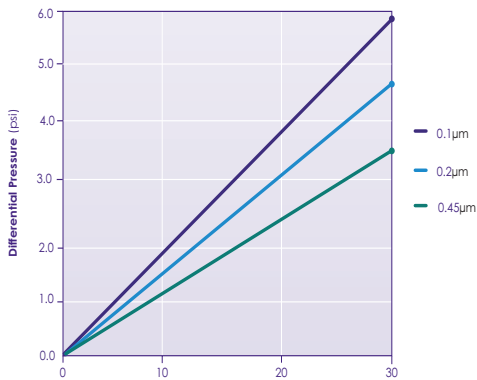
Support: Polypropylene

End caps, core, cage: Polypropylene

O-rings: FEP Encapsulated Silicone, FFKM, E-FKM

Gaskets: PTFE (DOE only)

## 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).

## Element Dimensions

Length	Code A	Code M	
5"	130mm +/-2		
10"	266mm +/-2	254mm +/-2	Default - Customer to specify length
20"	506mm +/-4	508mm +/-2	Default - Customer to specify length

## Ordering Information

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

Product Code: **1** **2** **3** **4** **5** **6** **PH010AGE5**

Product Name	Micron Rating	Adaptor code	Seals	Cleanliness	Length
PH LiquiPro PH	010 0.1µm	A 222 / flat	G FEP Encap Silicone	E E-Grade High Purity TOC<100ppb	5 5"
	020 0.2µm	B 226 / fin	K FFKM	U Ultra High Purity Metal (< 40ppb)	10 10"
	045 0.45µm	C 222 / fin	T E-FKM		20 20"
		K 226 / flat	J PTFE Gasket (Code M)		
		M DOE			