

LiquiPro™ DI

PES Membrane Cartridge Filters



Superior filters made of high quality PES (Polyethersulfone) membrane with low pressure drop, high flow rate and long service life for direct DI water, TMAH developer, weak acids and base solutions.

Features and Benefits

- Optimised mirrored asymmetric PES membrane structure and support materials that ensure 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 with double-bag packaging and manufactured in cleanroom environment.
- Fast rinse up time as filters has been pre-flushed with Ultrapure DI water (18.2 Megaohm-cm, TOC less than 40ppb).

Typical Applications

- General direct DI and recirculation DI water bath applications.
- Direct DI Water application for flat panel display manufacturing.
- Direct DI water application for solar and wafer bumping.
- Recommended for TMAH 2.38%.

Performance Specifications

Pore size rating

0.05, 0.1, 0.2, 0.45, 1.2µm

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)

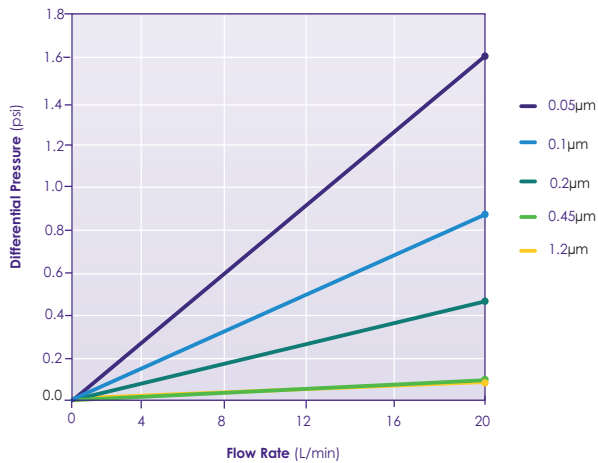
Compatibility and purity

Filters do not use any binders, surfactants and adhesives for broad usage compatibilities.

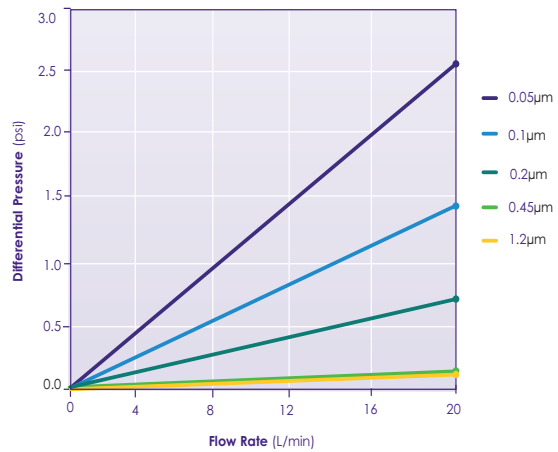
Materials of construction

Filter media:	Polyethersulfone (PES)
Support:	Polypropylene
End caps	Polypropylene
Core, cage:	Polypropylene
O-rings:	FEP Encapsulated Silicone, FFKM, E-FKM
Gaskets:	PTFE (DOE only)

Flow Rates: LiquiPro™ DI 226 series



Flow Rates: LiquiPro™ DI 222 series



*Flow rate is for water at 20°C through a 10 in cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Element Dimensions

Adaptor	Nominal length	Diameter	Length
222 - Code A	10"	70mm	266 +/- 2
222 - Code A	20"	70mm	506 +/- 4
222 - Code A	30"	70mm	750 +/- 4
213 - Code J	20"	70mm	494 +/- 4

Ordering Information

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

Product Code: **1** **2** **3** **4** **5** **6** **DG005AGA05**

Product Name	Micron Rating	Adaptor code	Seals	Diameter	Length
DG LiquiPro DI	005 0.05µm	A 222 / flat	G FEP Encap Silicone	A 70mm	05 5"
DGX LiquiPro DI Xtra Life	010 0.1µm	B 226 / fin	K FFKM		10 10"
	020 0.2µm	C 222 / fin	T E-FKM		20 20"
DGU LiquiPro DI Ultra Life	045 0.45µm	F 213 internal / flat	J PTFE Gasket (Code M)		30 30"
	120 1.2µm	K 226 / flat			
		M DOE			