

LiquiPro™ BU

High Purity Hydrophilic PES Membrane Filters



LiquiPro™ BU is a superior advanced duo-retention filtration mechanism for dilute high flow and BOE cleaning applications.

Final assembly is purged with filtered nitrogen for initial cleanliness. A variety of end fittings are offered for easy installation.

Features and Benefits

- Optimised highly asymmetric polyethersulfone (HAPES) high flow, low pressure drop membrane provides sieving and absorption particle retention mechanisms down to 50nm.
- LiquiPro™ BU filter is hydrophilic and can be used without pre-wetting to maximise process up-time.
- LiquiPro™ BU eliminates pre-wetting and micro-bubbles to reduce downtime. Manufactured from HAPES membrane which has superior wetting properties compared with polyethylene. If spontaneously wet, it remains fully wet and eliminates micro-bubble generation which is critical for advanced node processing.
- Fast rinse up time as filters has been pre-flushed with Ultrapure DI water (18.2 Megaohm-cm, TOC less than 100 ppb).
- Certificate of quality enclosed with each product lot for quality assurance that ensures filter-to-filter and lot-to-lot performance. Manufactured in clean room environment.

Typical Applications

- BOE (Buffered-Oxide Etch) and Dilute HF recirculation bath applications.
- Megasonic cleaning DHF, NH4OH filtration.
- CDI Water cleaning application in semiconductor wafer fabs.

Performance Specifications

Pore size rating

0.03, 0.05, 0.1, 0.2, 0.45 and 1.0µm

Maximum differential pressure:

5.2bar (75.4psi) @ 25°C (77°F)

1.9bar (27.5psi) @ 80°C (176°F)

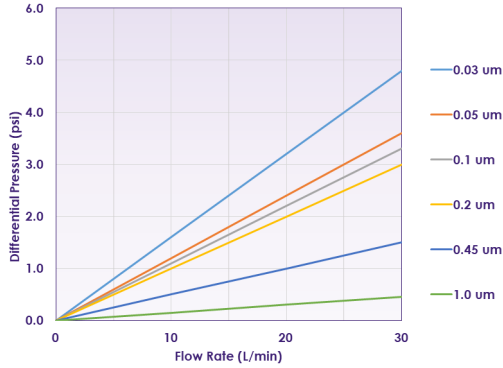
Compatibility and purity

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

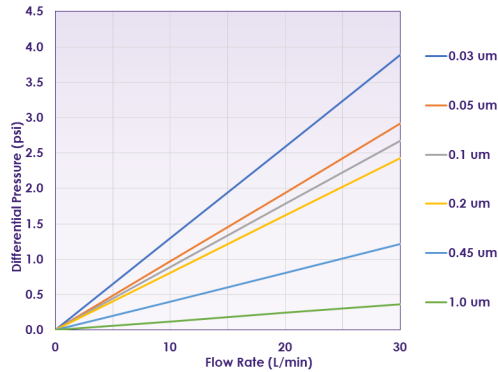
Materials of construction

Filter media: Highly asymmetric polyethersulfone (HAPES) hydrophilic membrane
 Support: Polypropylene (PP)
 End caps, core, cage: Polypropylene (PP)
 O-rings: EPDM, FKM, E-FKM, F-FKM.

Flow Rates: LiquiPro™ BU



Flow Rates: LiquiPro™ BUH



* Flow rate is for a 25.4 cm (10in) 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
BU: LiquiPro™ BU (70mm Dia)	003: 0.03µm	A: 222/flat	T: E-FKM	E: E-Grade	04: 4in	K: EZ Key compatible to use with alternative cartridge housing
BUH: LiquiPro™ BU HPX (80mm Dia)	005: 0.05µm		K: F-FKM	UH: Ultra High Purity (< 40 ppb)	10: 10in	
	010: 0.1µm		E: EPDM		20: 20in	
	020: 0.2µm				30: 30in	
	045: 0.45µm					

Diameter	Code-A	Code-M
10in (Dia: 80mm)	Code A = 240mm +/- 2	
10in (Dia: 69mm)	Code A = 266mm +/- 2	Code M = 254mm +/- 2 default. Customer to specify length
20in (Dia: 69mm)	Code A = 506mm +/- 4	Code M = 508mm +/- 2 default. Customer to specify length
30in (Dia: 69mm)	Code A = 750mm +/- 4	
4in (Dia: 69mm)	Code A = 123mm +/- 2	



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