

LiquiPro™ F2

Fluoropolymer, Pleated PTFE Filters



LiquiPro™ F2 are superior pleated PTFE membrane filters with PFA support for chemical inertness across a broad range of microelectronics process chemical applications.

A variety of end fittings are offered for easy installation.

Features and Benefits

- Optimised 80-95% porosity, uniform pore size distribution and filtration area with low pressure drop, high flow rate and long service life.
- Manufactured without the use of additives, surface modification agents or post-treatments, to ensure purity is not compromised.
- Certificate of quality enclosed with each product lot for quality assurance that ensures filter-to-filter and lot-to-lot performance.
- High purity application filters manufactured in a clean room environment.
- Fast rinse-up time as filters have been pre-flushed with Ultrapure DI water (18.2 Megaohm-cm, TOC less than < 10 ppb).

Total Metals (13 elements, ICP-MS)	UHP < 25 ppb / device Ultra low metal < 10 ppb / device
Particle Shedding cleanliness	< 5 particles / 1ml ≥ 0.15um @ 10LPM UPW flow
TOC Recovery (per 10" equivalent)	< 5ppb of feed DI water after 120L @ 5LPM
Resistivity recovery (per 10" equivalent)	< 0.5MΩ of feed DI water after 120L @ 5LPM

Typical Applications

- Chemical delivery system filtration of strong acid and base solution at room temperature for semiconductor manufacturing.
- Solvent filtration.
- Aggressive chemical processes in the photovoltaic and data storage industries.

Performance Specifications

Materials of Manufacture

Filter media:	Hydrophobic PTFE Membrane
End caps:	PFA
Centre core:	PFA
Outer hardware:	PFA
Gaskets/O-rings:	FEP Encap Silicone, FFKM, E-FKM, PTFE

Pore Size Rating

0.05, 0.1, 0.2, 0.45, 1, 5, 10 µm

Cartridge Dimensions (Nominal)

Diameter: 69mm (2.716")

Length: Dimensions vary for different connector types therefore please check with us before ordering to ensure correct fitment.

Differential Pressure

Maximum forward differential pressure:

5.1bar (75psi) @ 25°C (77°F)

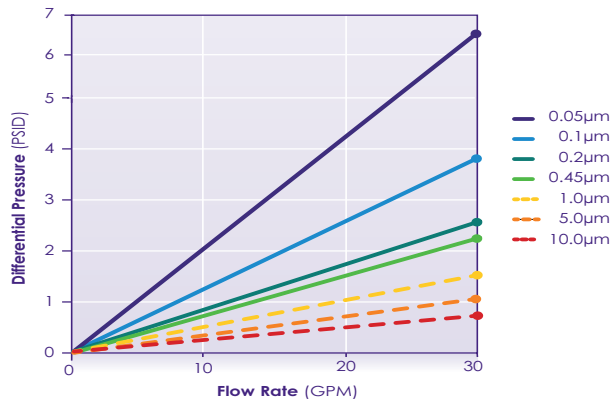
5.1bar (75psi) @ 120°C (248°F)

Operating Temperature

Maximum operating temperature:

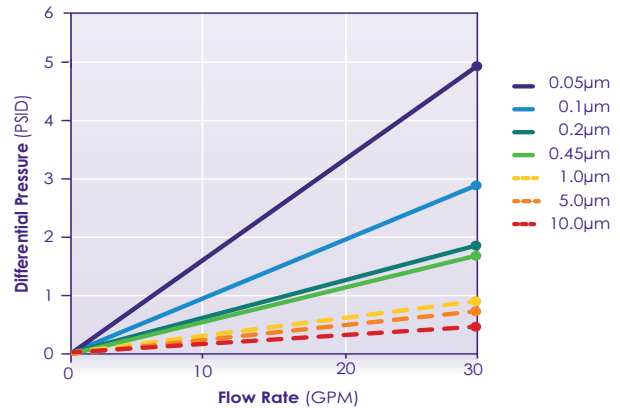
180°C (356°F) at the above conditions.

Flow Rates: LiquiPro™ F2 FL series



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

Flow Rates: LiquiPro™ F2 FLX series



Element Dimensions

Length	Code A/K	Code B	Code C	Code M
4"	125.5mm +/-2	-	-	-
10"	262.5mm +2.5/-2.0	311.7mm +/-2.0	310.2mm +/-2.0	247.0mm +/-2.0
20"	503.0mm +5.0/-4.0	553.5mm +/-4.0	552.0mm +/-4.0	491.0mm +/-3.0
30"	746.1mm +4	795.3mm +/-4.0	793.8mm +/-4.0	-

Ordering Information

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

Product Code: **1** **2** **3** **4** **5** **6** **7** **8** **LP005AGB04K**

Product Name	Micron Rating	Adaptor code	Seals	Cleanliness	Length	Key Option	Packaging Option
LP LiquiPro F2 AT (69mm Dia) Area 0.7m ²	005 0.05µm	A 222 / flat	G FEP Encap Silicone	B Basic Purity TOC < 50ppb	04 4"	K EZ Key compatible to use with ChemLock® cartridge housing	- Standard Dry
	010 0.1µm	B 226 / fin	K FFKM	U Ultra High Purity (< 25ppb)	10 10"		W pre-wetted
LPX LiquiPro F2 FLX (69mm Dia) Area 1.1m ²	020 0.2µm	C 222 / fin	T E-FKM		20 20"		
	045 0.45µm	K 226 / flat	J PTFE Gasket (Code M)		30 30"		
	100 1µm	M DOE					
	300 3µm						
	500 5µm						
	1000 10µm						

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