

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.

Final assembly is purged with filtered nitrogen for initial cleanliness. 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 performance 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).

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

Pore size rating

0.05, 0.1, 0.2, 0.45, 1, 5, 10 µm

Maximum differential pressure:

5.0 bar (72.5 psid) @ 25°C (68°F)
2.0 bar (29 psid) @ 120°C (248°F)

Materials of construction

Filter media: Hydrophobic PTFE Membrane
Support: PFA
End caps, core, cage: PFA
O-rings: E-FKM, FFKM, FEP E-Silicone

FL Cartridge Dimension

69mm diameter and 10" nominal length.

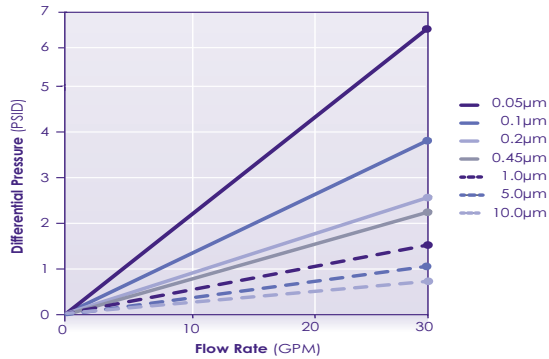
Metallic Cleanliness

Achieve <0.5 Megaohm of feed DI water after 120L @ 5 LPM

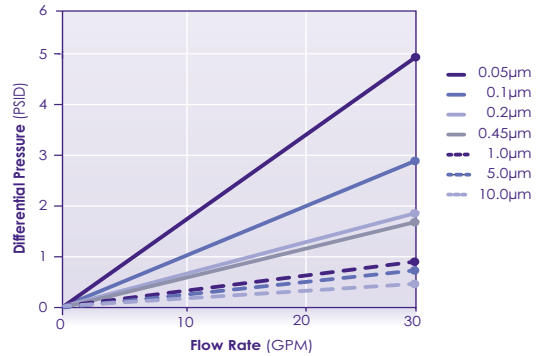
Maximum operating temperature

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

Flow Rates: LiquiPro™ F2 FL series Flow dP



Flow Rates: LiquiPro™ F2 FLX series Flow



* 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		Packaging Option	
FL:	LiquiPro™ F2 AT (69mm Dia) Area: 0.7m ²	005	0.05µm	A	222/Flat	T	E-FKM	B Bump / strip TOC<50ppb U Ultra high purity** <25ppb Class 100 Packaging	04	4in	K	Key is applicable to all pore sizes	-	Standard Dry
		010	0.1µm	C	222/Fin	K	FFKM		10	10in			W	Pre-wetted
		020	0.2µm	K	226/Flat	TS	FEP Encap Silicone		20	20in				
FLX:	LiquiPro™ F2 FLX (69mm Dia) Area: 1.1m ²	045	0.45µm	B	226/Fin				30	30in				
		100	1µm	M	DOE									
		500	5µm											
		1000	10µm											

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