

# LiquiPro™ CO

## High Purity Hydrophilic PTFE Membrane Filters



**LiquiPro™ CO is a highly hydrophilic, high flow PTFE membrane with excellent particle removal and low extractables for electro-copper plating applications.**

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

LiquiPro™ CO is specially designed for LAM SABRE SCD Tools.

### Features and Benefits

- LiquiPro™ CO is highly effective and economical in electro-copper plating applications. The proprietary PTFE membrane is non-interactive with plating chemistry. The E-grade extraction treatment ensures an extremely low level of organics and metallic contamination control to prevent pitting or poor adhesion. A high purity performance and reliable Cu plating processes is assured.
- The optimised PTFE high-flow, low pressure drop membrane provides sieving particle retention mechanisms.
- The highly hydrophilic surface can be used without prewetting to maximise process uptime, whilst reducing the potential for micro-bubble generation, in order to prevent streaks and other related defects.
- Certificate of quality enclosed with each product lot for quality assurance that ensures filter-to-filter and lot-to-lot performance.
- Fast rinse-up time as filters have been pre-flushed with Ultrapure DI water (18.2 Megaohm-cm, TOC less than 50 ppb).

### Typical Applications

- Electro-copper plating filtration.

### Performance Specifications

#### Pore size rating

0.1, 0.05 µm

#### Maximum differential pressure:

4.9 bar (71.1 psi) @ 25°C (77°F)

2.2 bar (31.9 psi) @ 80°C (176°F)

#### Compatibility and purity

Filters do not use any binders, surfactants and adhesives for broad usage compatibilities. Only 100% high purity virgin polypropylene is used.

#### Materials of construction

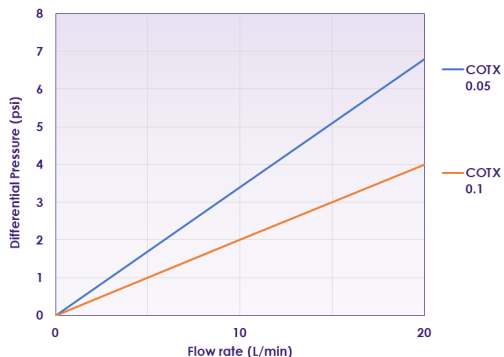
Filter media: PTFE hydrophilic membrane

Support: Polypropylene (PP)

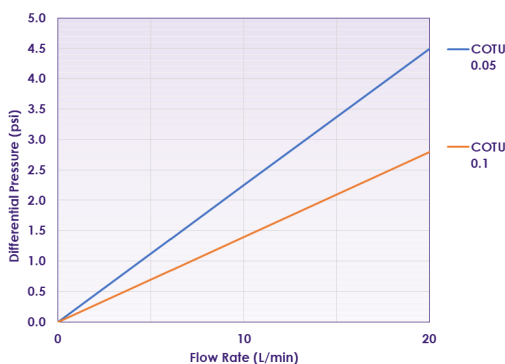
End caps, core, cage: Polypropylene (PP)

O-rings: EPDM, FKM, E-FKM

Flow Rates: LiquiPro™ CO



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\* 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
CO: LiquiPro™ CO	005: 0.05 µm	A : 222/flat	T: E-FKM	E: E-Grade	10: 10in	K: EZ Key compatible to use with alternative cartridge housing
COH: LiquiPro™ CO HPU	010: 0.1 µm			UH: Ultra High Purity (< 40 ppb)		