

# LiquiPro™ SL

## Chemical Mechanical Polishing (CMP) Filters



**LiquiPro™ SL Series filters are the next generation of pre-cleaned slurry filters designed for advanced chemical mechanical polishing (CMP).**

This filter series is built using an outer melt blown media in combination with an inner nanofiber media. This is a departure from the tradition CMP filters that have either all wrapped layers, all pleated layers, or all melt blown layers. These SL Series filters are cost competitive with higher performance over traditional CMP filters.

### LiquiPro™ SL

- These filters remove particles, aggregates, agglomerates, and microgels that are disruptive to the CMP process. These filters provide excellent capacity and have a sharp filtration cut off curve, so the particle size distribution of the desired slurry particles does not change after filtration.
- The nano-fiber media used in these filters are reliable and have excellent performance with colloidal, cerium oxide and alumina slurries.

### Specifications

#### Pore sizes rating for SL Series: (µm)

0.07, 0.1, 0.2, 0.3, 0.5, 0.7, 1.0, 1.5, 3, 5.

#### Maximum differential pressure:

2.4 bard (35 psid) @ 21°C (70°F)

4.0 bard (58 psid) @ 80°C (176°F)

#### Maximum operating temperature

80°C (176°F)

#### Materials of construction:

Materials: Polypropylene construction

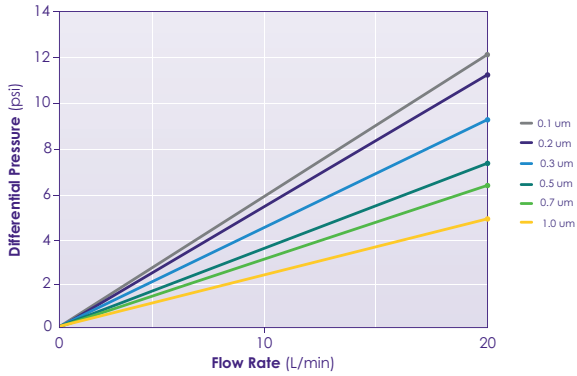
Filter Media: Polypropylene

Filter Core/Cage/Endcap: Polypropylene

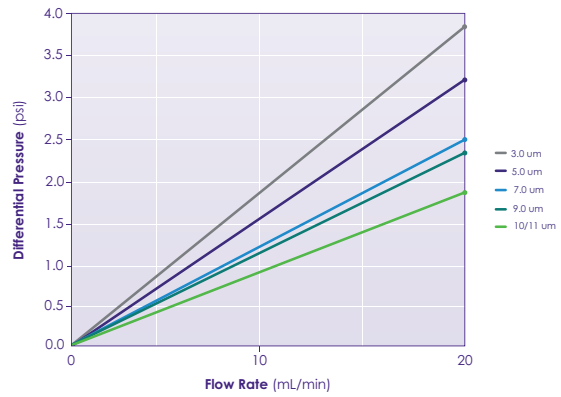
Cartridge O-rings/gasket: EPDM

## Flow Charts

LiquiPro™ SLC (10")



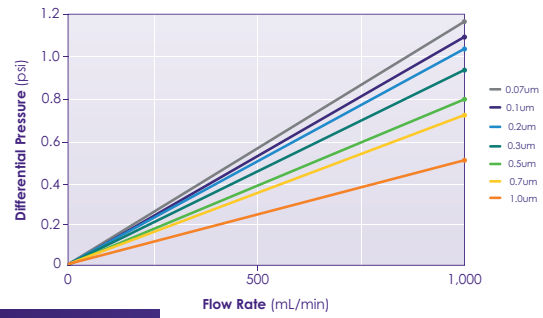
LiquiPro™ SLC (10")



### Element Dimensions

Product	Diameter	Length
5"	69mm +/-1mm (2.72" +/-1.04)	130mm +/-1
10"	69mm +/-1mm (2.72" +/-1.04)	264mm +/-1
20"	69mm +/-1mm (2.72" +/-1.04)	512mm +/-1

LiquiPro™ SLD (Standard 5")



### Capsule Dimensions

Product	Connections	Length	Diameter
Short	Flaretek 3/8" I/O, 1/4" V/D	154mm (6.14")	83.8mm (3.3")
	Flaretek 3/8" I/O, 1/8" V/D	154mm (6.14")	83.8mm (3.3")
Standard	3/8" Flaretek I/O	212mm (8.35")	93mm (3.66")
	EZ Connect	202mm (7.95")	93mm (3.66")
	Flaretek 3/8" I/O, 1/4" V/D	214mm (8.43")	83.8mm (3.3")
Long	3/8" Flaretek	351mm (13.82")	93mm (3.66")

## Ordering Information

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

Product Code: **1** **2** **3** **4** **5** **6** **7**     **SLCQ07A10G1K**

Product Name		Micron Rating		Adaptor code		Length		Seals		Packaging		Key Option	
SLC	LiquiPro SLC Element Cartridge	Q07	0.07µm	A	222 / flat	5	5"	G	FEP Encap Silicone	1	1 / pack	K	EZ Key compatible to use with ChemLock® cartridge housing
		01	0.1µm	M	DOE with gaskets	10	10"	K	FFKM	W	IPWET Patented Prewet / Disinfect	-	n/a
		02	0.2µm			20	20"	T	E-FKM				
		03	0.3µm					J	PTFE Gasket (Code M)				
		05	0.5µm										
		07	0.7µm										
		10	1µm										
		15	1.5µm										
		30	3.0µm										
		50	5µm										

Product Code: **1** **2** **3** **4** **5**     **SLDQ07F6021**

Product Name		Micron Rating		Connections		Length		Packaging	
SLD	LiquiPro SLD Disposable Capsule	Q07	0.07µm	F6	3/8" Flaretek I/O	02	Short	1	1 / pack
		01	0.1µm	EC	EZ Connect	05	Standard	2	IPWET Patented Prewet disinfectant
		02	0.2µm	F6F4	3/8" Flaretek I/O 1/4" Flaretek V/D	10	Long		
		03	0.3µm	F6N2	3/8" Flaretek I/O 1/8" NPT V/D				
		05	0.5µm						
		07	0.7µm						
		10	1µm						
		15	1.5µm						
		30	3.0µm						
		50	5µm						