

## LiquiPro™ YS

### High Quality Stainless Steel Filter Housing



LiquiPro™ YS stainless steel housing is a high quality and cost effective for demanding chemical filtration applications, and for semiconductor “conductive” solvent filtration applications.

#### Features and Benefits

- Designed to use with LiquiPro™ F2, LiquiPro™ PA, LiquiPro™ DI, LiquiPro™ SL as well as most compatible 70mm diameter and 83mm diameter cartridge filters available in the market.
- High grades stainless steel: 316L, 316 or 304.
- Available in PM grade: interior and exterior of filter housing bowl mechanical polished to reflective mirror finish (#400 mesh) suitable for most chemical and solvent filtration applications. Also available in EP grade option: Interior and exterior of filter housing bowl are electro-polished to achieve matted non-directional finish with low Ra for the most demanding advanced semiconductor solvent and chemical filtration applications.
- Available options to use with SOE (single open end) with 2-222 O-ring adaptor filter; and DOE (double open end) filters.
- Easy to operate clamp design. No tool is required to change filter.

#### Typical Applications

- Semiconductor and wafer bumping industry solvent, stripper, etching, plating fluids.
- Pre-filtration for Reverse Osmosis for F&B, pharmaceutical and high purity industries.
- Water filtration.
- Filtration of low and up to medium viscosity fluids (up to 200 centipoises).

#### Performance Specifications

##### Maximum operating pressure:

10.50 bard (10 kg/cm<sup>2</sup>d, 152 psid) @25°C (77°F)  
21.72 bard (22 kg/cm<sup>2</sup>d, 315 psid) @25°C (77°F)

##### Maximum operating temperature:

75°C (140°F)

##### Materials of construction:

Materials: Clamp(1):304, Head(2), Rod(3), Nut(4), Bowl(6): 316L, 316 or 304

O-ring: FEP Encapsulated Silicone, FFKM, E-FKM

Finish: EP Grade: Interior and exterior electro-polish, PM grade: Interior and exterior mechanical-polish.

Inlet/Outlet: 3/4" or 1" NPTF 3/4" or 1" TC Fitting

### Flow Specifications

Model	Housing Length	Diameter	Filter Length	Typical Flow Rate	
YS_-1	392mm	106mm	10in	1.1m3/hr	5 GPM
YS_-2	642mm	106mm	20in	2.3m3/hr	10 GPM
YS_-3	892mm	106mm	30in	3.4m3/hr	15 GPM

Model	Housing Length	Diameter	Filter Length	Typical Flow Rate	
YPSYH_-1	391 mm	89 mm	10in	3.4m3/hr	15 GPM
YPSYH_-2	641 mm	89 mm	20in	4.5m3/hr	20 GPM
YPSYH_-3	891 mm	89 mm	30in	5.7m3/hr	25 GPM

### Package Specifications

Model	Dimension (cm)	Weight (kg)
YS_-1	18(L) x 18(W) x 45(H) cm	4.0
YPSYH_-1		5.5
YS_-2	18(L) x 18(W) x 70(H) cm	5.5
YPSYH_-2		6.5
YS_-3	18(L)x18(W) x 94(H) cm	7.0
YPSYH_-3		7.5

### Accessories

Part Number	Descriptions
EZ-OR-344-T-1	Spare O-ring, 2-344, E-FKM, 1/PK
EZ-OR-344-V-1	Spare O-ring, 2-344, FKM, Viton® equiv, 1/PK
EZ-OR-344-G-5	Spare O-ring, 2-344 EP, FEP Encap Silicone, 5/PK
EZ-OR-344-K-1	Spare o-ring, 2-344, FFKM, 1/PK

Product Code: **1 2 3 4 5 6 7** **YSA1PMNP16G**

Product Name		Filter Code		Length		Steel	Surface Finish		Inlet / Outlet		Seals			
YS	YS Series Single round Housing	A	222/Flat	1	10"	316	PM	Inside/ outside 400 mesh polish	NP16	NPTF 1"	G	FEP Encap Silicone		
		M	DOE	2	20"	316L			NP12	NPTF 3/4"	K	FFKM		
		B	Bowl	3	30"	304			TC16	TC 1"	T	E-FKM		
LPYSH	High Pressure SS with locking ring						EP	Inside/ outside Electropolish	TC12	TC 3/4"				
									AM	Inside acid/ outside polish	PF16	PTF 1"		
									PF8		PTF 1/2"			