

LiquiPro™ YP

Polypropylene Filter Housing



LiquiPro™ YP is made of high purity virgin grade polypropylene filter housing that is applicable for use in semiconductor industry. It is assembled, cleaned and tested in ultra clean manufacturing centre of Class 100 & Class 1000.

LiquiPro YPZ is a high purity grade polypropylene filter housing that offers excellent space saving solution. The cartridge filter can be locked into the bowl allowing the installation of both the cartridge filter and housing bowl to be installed as a single unit. This comes with EZ Key that is compatible with the ChemLock Key. Contamination and chemical contact will therefore be minimised.

Features and Benefits

- High purity virgin grade LCY Globalene Polypropylene grade PC-366-5.
- Suitable for 10" or 20" Cartridges.
- 222 O-rings Filter Cartridge - Excellent for demanding microelectronics applications.
- All Materials are FDA Listed and safe for Food and Beverage.
- Economical Alternative to Fluoropolymer Filter Housings.

YP Series PP Housing

Specifications

Materials of construction

Head/Bowl: Pure virgin polypropylene
 Locking Ring: PP (Glass Reinforcement)
 (not wetted):
 Mounting Screw: SUS304 M8X1.25
 O-rings: Viton®, EPDM

Dimensions

Inlet/Outlet: Flaretek ¾", 1"
 NPTF ¾", 1"
 Vent/ Drain: Flaretek ½", ¼"
 NPTF ½", ¼"

Maximum Operating Temperature

70C (212F)

Maximum Operation Pressure

0.3MPa (3 bar, 43 psi) @ 70°C
 0.75MPa (7.5bar, 110psi) @ 25°C

FDA Listed Materials

Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Cartridge Connections: Code 0 (2-222 O-rings).

Cartridge Diameters: 70mm and 83mm

Ordering Information

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

Product Name		Length		Head Fitting		Inlet/Outlet		Head/Bowl Fitting		Cart Adaptor		O-Ring		Locking Ring	
YP:	LiquiPro™ YP PP Cartridge Housing	5	5in	F	Flare	A	3/4in	F	Flare	A	1/2	V	FKM/Viton®	P	PP
		10	10in	N	NPTF	B	1in	N	NPTF	B	1/4	E	EPDM		
YPZ:	LiquiPro YPZ with EZ Key	20	20in												
		30	30in												

* Non-Standard Request, longer lead time may be required. Ask Technical Specialist.

Top-Flow Series Filter Housing

Specifications

Materials of construction

Head/Shell: Unplasticized Polyvinylchloride (UPVC)

O-rings: Viton®, EPDM

Dimensions

Inlet/Outlet: JIS 50A Union

Vent/ Gauge: 3/8" female PT

Drain: 3/8" female PT

Maximum Operation Pressure

72 psi (5 bar) @ 122°F (50°C) in liquid service

FDA Listed Materials

Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Dimensions

Model	Max Flow Rate GPM (LPM)	Dimensions inch (mm)		Weight lbs (kg)
		A	B	
YPHF-10-25A-0/3	20 (75.5 LPM)	15" (380 mm)	6.6" (168 mm)	2.3lbs (1.1kg)
YPHF-10-40A-6	30 (113.6 LPM)	15.5" (394.5 mm)	6.6" (168 mm)	3.4lbs (1.5kg)

Ordering Information

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

Product Name	Length	Inlet/Outlet	Cart Adaptor	O-Ring
YPHF: LiquiPro™ YP TFT High Flow Series PP Cartridge Housing	10: 10in	25A: 1" Union	A: 222/Flat	V: FKM/Viton® (V is default)
		40A: 1 1/2" Union	K: 226/Flat	E: EPDM
				T: Teflon encapsulated Viton®

* Non-Standard Request, longer lead time may be required. Ask Technical Specialist.

334 Type UPVC Housing

Specifications

Materials of construction

Head/Bowl:	Pure Virgin Polypropylene – No Talc, Fillers, Plasticizers, Lubricants
Mounting Bracket:	Stainless Steel
O-rings:	Viton®, EPDM, Buna-N

Dimensions

Inlet/Outlet:	YPHFU10P: 3/4" FNPT YPHFU20P: 3/4", 1" FNPT
Vent/ Gauge:	1/4" Female NPT
Drain:	1/4" Female NPT

Maximum Operation Pressure

125 psi (8.6 bar) @ 77°F (25°C) in liquid service

FDA Listed Materials

Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations. Contact for more details.

Dimensions

Model	Max Flow Rate GPM (LPM)	Dimensions inch (mm)		Weight lbs (kg)
		A	B	
YPHFU-10-50A-R	66 (300 LPM)	17" (438.7 mm)	13.6" (347 mm)	16.75lbs (7.6kg)

Ordering Information

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

Product Name	Length	Materials	Cart Adaptor	O-Ring
YPHFU: LiquiPro™ YP High Flow Series UPVC Housing	10: 10in	50A: Union	R: 334/Flat	E: EPDM
				V: FKM/Viton® (V is default)

* Non-Standard Request, longer lead time may be required. Ask Technical Specialist.