



## SPECIFICATIONS

<b>Materials</b>	Head and bowl	Polypropylene (PP)
	O-ring	EPR, Viton®
	Locking ring (nonwetted part)	PVDF
<b>Fluid connections</b>	FNPT, Flaretek®, Union, Rc	
<b>Cartridge connections</b>	Code 0, dual 2-222 O-rings, and Chemlock cartridges with key	
<b>Operating conditions</b>	<b>Standard Drain Port Configurations</b>	<b>1" FNPT Drain Port Configurations</b>
	Maximum inlet pressure:	Maximum inlet pressure:
	0.14 MPa (1.4 bar, 20 psi) @ 90°C (194°F)	0.14 MPa (1.4 bar, 20 psi) @ 90°C (194°F)
	0.69 MPa (6.9 bar, 100 psi) @ 25°C (77°F)	0.55 MPa (5.5 bar, 80 psi) @ 25°C (77°F)
	Maximum operating temperature:	Maximum operating temperature:
	90°C (194°F)	90°C (194°F)
<b>Torque</b>	Torque specifications validated using Chemlock torque wrench	

### Chemical compatibility —locking rings

	<b>AQUEOUS ACIDS</b>	<b>AQUEOUS OXIDIZER</b>	<b>AQUEOUS BASES</b>	<b>SOLVENTS</b>
	<b>H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub>, HNO<sub>3</sub></b>	<b>H<sub>2</sub>O<sub>2</sub></b>	<b>NH<sub>4</sub>OH, TMAH, KOH</b>	<b>IPA, DMSO</b>
<b>PVDF</b>	Recommended	Not recommended	Not recommended	Not recommended

\*Contact Entegris for locking ring compatibility with chemicals not listed.

**⚠ WARNING: Using a locking ring that is not fully compatible with your chemical may result in a seriously hazardous condition due to sudden breakage of the locking ring and chemical exposure.**

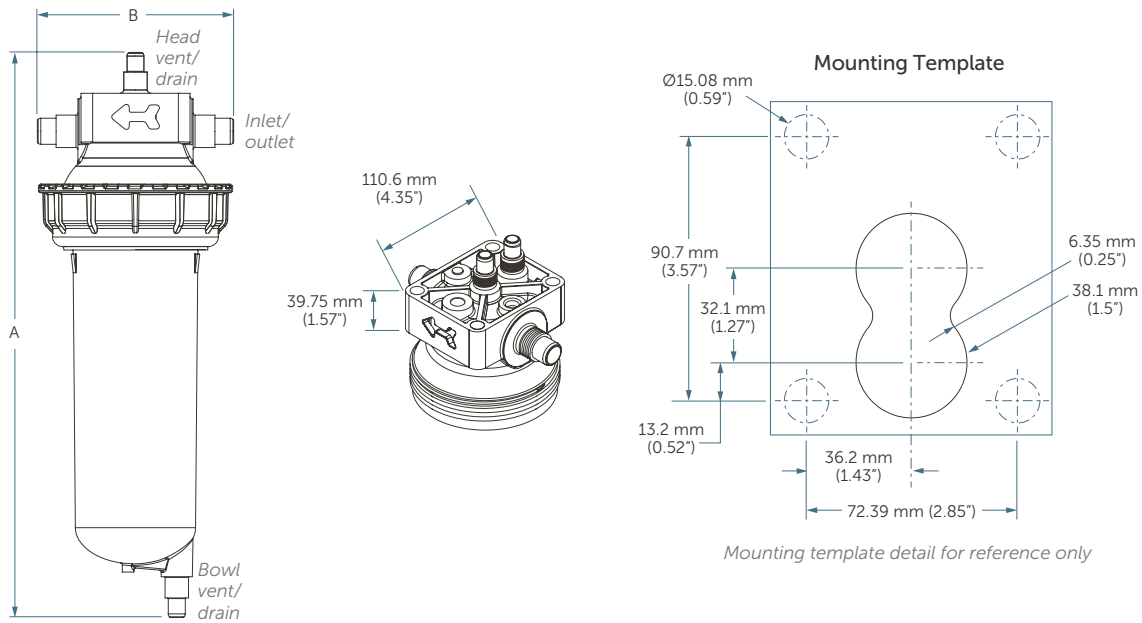
Chemlock cartridges are compatible with the Chemlock PFA and Chemlock PP housings. Cartridges can be ordered by adding either a "K" or a "Y" to the end of a standard cartridge part number depending on the product family. Standard cartridges (without the key) are still available under their usual part number.

Any standard 10" Code 0 cartridge can be used with the universal Chemlock PP housing. Only Chemlock cartridges can use the cartridge locking mechanism.

Use of a Chemlock key or any other key with a third party cartridge voids the housing warranty and may infringe one or more Entegris U.S. and foreign patents, issued or pending. Such patents and warranties do not apply to use of third party cartridges without any key.

Refer to individual cartridge datasheets on [www.entegris.com](http://www.entegris.com) for cartridge ordering information.

## DIMENSIONS



			Dimensions		
Inlet/outlet	Head vent/drain	Bowl vent/drain	A (10" housing)	A (20" housing)	B
¾" Flaretek	½" Flaretek	½" Flaretek	450 mm (17.7")	700 mm (27.6")	163 mm (6.4")
1" Flaretek	½" Flaretek	½" Flaretek	450 mm (17.7")	700 mm (27.6")	173 mm (6.8")
¾" FNPT	¼" FNPT	¼" FNPT	396 mm (15.6")	646 mm (25.4")	137 mm (5.4")
¾" FNPT	¼" FNPT	1" FNPT	—	644 mm (25.3")	137 mm (5.4")
¾" Rc	¼" Rc	¼" Rc	396 mm (15.6")	646 mm (25.4")	137 mm (5.4")
1" Union	¼" FNPT	¼" FNPT	396 mm (15.6")	646 mm (25.4")	203 mm (8.0")

## ORDERING INFORMATION

### Chemlock PP housing heads, bowls, and kits

#### Housing heads

Part number	Inlet/outlet	Vent/drain
YY66H0F4F	¾" Flaretek	½" Flaretek
YY66H4F4F	1" Flaretek	½" Flaretek
YY66H0A2A	¾" FNPT	¼" FNPT
YY66H4U1A	1" Union	¼" FNPT, vent only
YY66H4U2A	1" Union	¼" FNPT
YY66H0R2R	¾" Rc	¼" Rc

#### Housing bowls

PART NUMBER		
10" BOWL LENGTH	20" BOWL LENGTH	
PP	PP	Vent/drain
YY66B1280	YY66B2280	½" Flaretek
YY66B1170	YY66B2170	¼" FNPT
—	YY66B2470	1" FNPT
YY66B1150	YY66B2150	¼" Rc

## ORDERING INFORMATION (CONTINUED)

### Housing kits (bowls and heads)

PART NUMBER				
10" bowl length	20" bowl length	Inlet/outlet	Head vent/drain	Bowl vent/drain
YY6610F4E	YY6620F4E	¾" Flaretek	½" Flaretek	½" Flaretek
YY6614F4E	YY6624F4E	1" Flaretek	½" Flaretek	½" Flaretek
YY6610A2E	YY6620A2E	¾" FNPT	¼" FNPT	¼" FNPT
—	YY6620A4AE	¾" FNPT	¼" FNPT	1" FNPT
YY6610R5E	YY6620R5E	¾" Rc	¼" Rc	¼" Rc
YY6614U1E	—	1" Union	¼" FNPT, vent only	¼" FNPT
YY6614U2E	—	1" Union	¼" FNPT	¼" FNPT

### Accessories

Part number	Description	Quantity/pkg.
YY4600005	Chemlock wrench with integrated torque	1
YY4600006	Chemlock wrench head	1
YY4110106	Spare O-ring, 2-345, EPR	3
YY4110104	Spare O-ring, 2-345, Viton fluoropolymer resin	3
YY66BRACK	L-mounting bracket (for Chemlock/Chemgard™ PP housings)	1

## INSTALLATION



1. Insert cartridge into bowl.



3. Attach head to bowl.



2. Twist filter  $\frac{1}{4}$ -turn to lock.



4. Tighten locking ring to easily seat double O-rings.

**WARNING:** Use a Chemlock integrated housing wrench to ensure proper tightening. Failure to follow procedure can lead to safety risks including equipment failure and chemical exposure.

## RETROFITTING

Chemlock PP bowls are easily retrofitted to Chemgard housings. They are designed to fit with Entegris' T-Line PP Chemgard heads. An installed Chemgard housing may be retrofitted with a Chemlock bowl and cartridge.

## FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](http://entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

## TERMS AND CONDITIONS OF SALE

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### Corporate Headquarters

129 Concord Road  
Billerica, MA 01821  
USA

### Customer Service

Tel +1 952 556 4181  
Fax +1 952 556 8022  
Toll Free 800 394 4083

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