



## PLJ-HP High-Purity Stainless Steel Housings

for high purity process chemical filtration



### The Solution for Critical, High Purity Applications

Mykrolis's PLJ-HP housings are filter housings of high quality design that are recommended for semiconductor and high purity chemical processing. PLJ-HP housings are constructed to provide good resistance to corrosive chemicals. Its high quality electropolished finish eliminates harmful contaminants from leaching into the process stream.

#### Easy Cartridge Replacement

The PLJ-HP housing's screw-in clamp band with a thumb screw and knurled surface makes cartridge changeout very easy.

#### High-Purity Electropolished Finish

The high quality electropolished finish eliminates harmful contaminants and provides an ultra-smooth finish to protect the process stream from potential contaminants.

#### Suitable for Many Applications

PLJ-HP housings can be used in high flow central applications as well as low flow point-of-use applications. They are recommended for permanent in-line plumbing.

#### Superior Manufacturing

The PLJ-HP housing is manufactured in a world-class, ISO 9001 Quality Systems Standard facility.

### Product Features

Available in 4" and 10" cartridge sizes

Housing bowl is constructed of SS316L, head is SCS14, plug and spring SS316, and band clamp SS304

Electropolished

Secured housing seal

### Product Benefits

Can be used with standard Code 0 (2-222 O-rings) cartridge filters.

Provides long-lifetime with good corrosion resistance

Clean internal finish for high purity applications

Ensures leak-proof filtration

P r o d u c t P r o f i l e

# PLJ-HP High Purity Stainless Steel Housings - Ordering Information

## Specifications

|                            |  |
|----------------------------|--|
| Materials                  | Head: SCS14<br>Bowl: SS316L<br>Plug and Spring: SS316<br>Band Clamp: SS304 |
|                            | O-ring: Viton® fluoroelastomer   |
| Finish                     | Head (internal and external):<br>Electropolished                           |
|                            | Bowl<br>Internal: Buff #400 and Electropolished<br>External: #180 Grit     |
| Connections                | Cartridge: Code 0, 2-222 O-rings<br>Fluids: See ordering information.      |
| Maximum Operating Pressure | 0.69 MPa (6.9 bar, 100 psi) @ 40° C  |

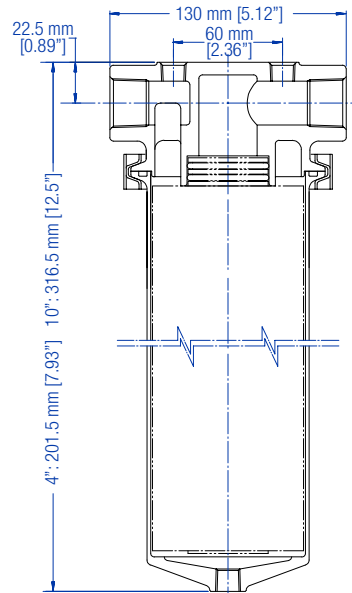
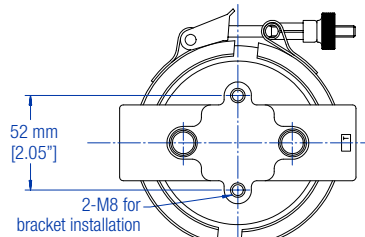
## Ordering Information

| Housing/<br>Filter Size | Inlet/Outlet    | Vent/Drain      | Part #      |
|-------------------------|-----------------|-----------------|-------------|
| 4"                      | 3/8" NPT Female | 1/4" NPT Female | YY50 PF 5PJ |
|                         | 3/4" NPT Female | 1/4" NPT Female | YY50 PF 54J |
| 10" <sup>[1]</sup>      | 3/8" NPT Female | 1/4" NPT Female | YY50 PF 83J |
|                         | 1/2" NPT Female | 1/4" NPT Female | YY50 PF 84J |
|                         | 3/4" NPT Female | 1/4" NPT Female | YY50 PF 86J |

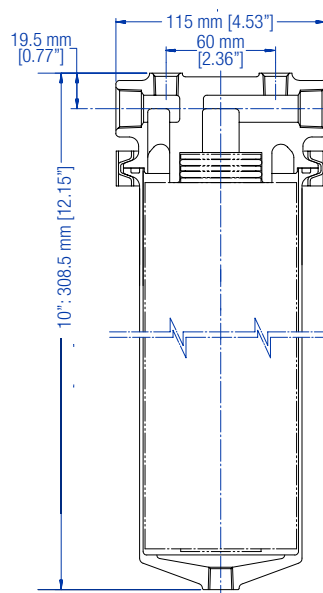
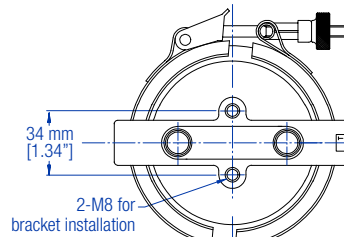
<sup>[1]</sup> 10" housings will only accommodate Mykrolis X-size (83mm diameter) cartridges

## Accessories

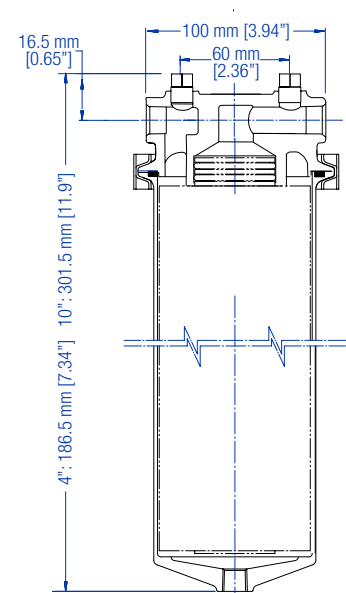
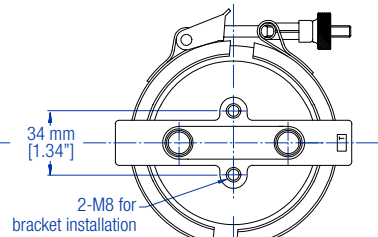
| Item  | Qty/Pkg. | Part #      |
|---|----------|-------------|
| Replacement Viton fluoroelastomer O-ring, 5-238 | 2        | YY16 012 VT |
| Replacement EPR O-ring, 5-238                   | 2        | YY16 012 EP |
| Replacement PTFE O-ring, 5-238                  | 1        | YY16 012 TF |
| Replacement TEV O-ring, 5-238                   | 1        | YY16 012 PF |
| Replacement Silicone O-ring, 5-238              | 2        | YY16 012 SI |



3/4" Fittings



1/2" Fittings



3/8" Fittings

Consult our applications specialists with any questions.  
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Lit. No. PF1125ENUS Rev. A 5 January 2005  
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