

PHF Demi Housings



- ▶ Specifically designed for liquid and gas filtration applications in the food and beverage industry.
- ▶ PED 2014/68/EU, ATEX 2014/34/EU and food grade EC1935/2004 compliance.
- ▶ Demi housing with Z-Style (116) cartridge location.
- ▶ Mirror polished finish.

Applications

The PHF filter housing range is specifically designed for low flow rate liquid and gas applications in:

- ▶ Beer
- ▶ Wine
- ▶ Bottled Water
- ▶ Dairy

Suitable for use with PED Group 1 and 2 liquids and gas.

Availability

The PHF filter housing range is available in a single round, demi format. These housings will accept Parker's full range of Z-Style (116) liquid and gas filter cartridges.

Materials

AISI 316L grade stainless steel is used for all wetted parts assuring corrosion resistance and durability.

Surface Finish

The PHF range comes as standard with an internal surface finish that is mechanically polished to $<0.8\mu\text{m}$ Ra (BSP model) or $<0.4\mu\text{m}$ Ra (Tri-Clamp model). External surface finish is a mechanical mirror polish.

Connection

The PHF housing range is available with BSPF or Tri-Clamp inlet and outlet connection. Vent and drain ports are 1/4" BSPF and come with a plug as standard.

Certification

Each filter housing is supplied as standard with a manufacturer's report test certificate and user manual.

Standards and Directives

- ▶ PED 2014/68/EU
- ▶ ATEX 2014/34/EU
- ▶ Pressure Equipment (Safety) Regulations 2016.

Technical Data

Materials (wetted surfaces):	316L Stainless Steel
Housing Closure:	Clamp (PED Group 2) / Double Bolted Clamp (PED Group 1)
Number of Cartridges:	01
Cartridge Height:	2.5" & 5"
Cartridge Location:	Z-Style (116)
Internal Surface:	BSP Model: Mechanical Polished <0.8µm Ra TC Model: Mechanical Polished <0.4µm Ra
External Surface:	Mechanical Mirror Polish
Design Conditions:	FT to 10 Bar @ -20 to 150°C (-14 to 145 psi @ -4 to 302°F)

Standard Housing - Ordering Information

Part Code	Size	Cartridge Loc.	Seal	Closure	Inlet / Outlet	Vent / Drain
PHF01AJEC88M4T010	5"	Z-Style (116)	EPDM	Clamp	Clamp ASME BPE (1")	BSPF (1/4") c/w plug
PHF01AJEC88M8B005	5"	Z-Style (116)	EPDM	Clamp	BSPF (1/2")	BSPF (1/4") c/w plug
PHF01AJSC88M4T010	5"	Z-Style (116)	Silicone	Clamp	Clamp ASME BPE (1")	BSPF (1/4") c/w plug
PHF01AJSC88M8B005	5"	Z-Style (116)	Silicone	Clamp	BSPF (1/2")	BSPF (1/4") c/w plug
PHF01BJEC88M4T010	2.5"	Z-Style (116)	EPDM	Clamp	Clamp ASME BPE (1")	BSPF (1/4") c/w plug
PHF01BJEC88M8B005	2.5"	Z-Style (116)	EPDM	Clamp	BSPF (1/2")	BSPF (1/4") c/w plug
PHF01BJSC88M4T010	2.5"	Z-Style (116)	Silicone	Clamp	Clamp ASME BPE (2")	BSPF (1/4") c/w plug
PHF01BJSC88M8B005	2.5"	Z-Style (116)	Silicone	Clamp	BSPF (1/2")	BSPF (1/4") c/w plug

Other part code variations are available. Refer to drawing 179502686 for full part coding structure.

Further Documentation

- ▶ Material Certificates 3.1 (609500552)
- ▶ Roughness Certificate 3.1 (609500346)
- ▶ Weld Procedure Book (609500339)
- ▶ Weld Qualification Book (609500340)

Available at extra cost, to be requested at time of order.

Accessories

Part Code	Part Number	Description
XPGSS03AL1	639509074	0 - 10 Bar pressure gauge, c/w manual ball valve with nipple
XVASS03AL	639509076	Ball valve, BSPM 1/4" c/w hose adaptor