

PHI Single 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.
- ▶ In-line sanitary single round housing.
- ▶ Available with 10 Bar or 16 Bar design pressure.
- ▶ Mirror polished finish.

Applications

The PHI filter housing range is specifically designed for in-line liquid and gas applications in:

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

Suitable for use with PED Group 2 liquid and gas.

Availability

The PHI filter housing range will accept Parker's full range of C-Style (226) liquid and gas filter cartridges, of nominal lengths 5" to 40".

Materials

AISI 316L grade stainless steel is used for all wetted parts assuring corrosion resistance and durability. All gasket materials meet FDA regulatory requirements and food grade EC 1935/2004 compliance.

Surface Finish

As standard, internal surfaces in the downstream are mechanically polished to $<0.8\mu\text{m Ra}$ and in the upstream are fine brushed. External surfaces are mirror polished. All assembly welds are polished but remain evident.

Connections

The PHI range is available with ASME BPE clamp (1.5") inlet and outlet. This range comes with or without vent and drain connections. Options include ASME BPE clamp (vent and drain) and lateral sanitary bleed valve (vent only).

Certification

Each filter housing is supplied as standard with a manufacturer's report test certificate, declaration of conformity (where applicable) and user manual.

Directives

Parker filter housings are manufactured in accordance with European Directives: PED 2014/68/EU and ATEX 2014/34/EU.

Technical Data

Materials (wetted surfaces):	316L Stainless Steel
Gasket Materials:	Silicone (EPDM or PTFE also available - PTFE requires double bolted clamp)
Housing Closure:	Clamp / Double Bolted Clamp
Number of Cartridges:	01
Cartridge Height:	5", 10", 20", 30" and 40"
Cartridge Location:	C-Style [226]
Internal Surface (Downstream):	Ra <0.8µm Mechanical Polish
Internal Surface (Upstream):	Fine Brushed
External Surface:	Mirror Polished
Design Conditions:	FV to 10 Barg @ 150°C (-14 to 145 psi @ 302°F) FV to 16 Barg @ 150°C (-14 to 232 psi @ 302°F)

Standard Housing - Ordering Information

Part Code	Size	Design Pressure	Cartridge Loc.	Seal	Inlet / Outlet	Vent	Drain
PHI001K7SC00M8T0150	5"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	No vent	No drain
PHI00117SC00M8T0150	10"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	No vent	No drain
PHI00127SC00M8T0150	20"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	No vent	No drain
PHI001K7SC91M8T0150	5"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	No vent	Clamp ASME BPE (0.5")
PHI00117SC91M8T0150	10"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	No vent	Clamp ASME BPE (0.5")
PHI00127SC91M8T0150	20"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	No vent	Clamp ASME BPE (0.5")

Other part code variations are available. Refer to sales drawing 179502682 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
XVASS04AL3	639509083	Sanitary drain valve, 0.5" Tri-Clamp to Hosebarb c/w clamp and seal
XVASS04AL4	639509084	Sanitary drain valve, 0.5" Tri-Clamp to Staubli RBE03 c/w clamp and seal
XVASS04AL5	639509085	Sanitary drain valve, 0.5" Tri-Clamp to Rectus 21 c/w clamp and seal