

# PHP Single and Multi Housings



- ▶ Specifically designed for liquid filtration applications in the food and beverage industry.
- ▶ PED 2014/68/EU, ATEX 2014/34/EU and food grade EC1935/2004 compliance.
- ▶ Easy handling sanitary single and multi cartridge filter housings.
- ▶ Cost effective housing without compromising quality.
- ▶ Supplied with adjustable support legs.
- ▶ Can be used with PED group 1 liquids during CIP.

## Applications

The PHP housing range is specifically designed for liquid applications in:

- ▶ Beer
- ▶ Wine
- ▶ Bottled Water

Suitable for continuous use with PED group 2 (harmless) liquids and gas, and PED group 1 (dangerous) liquids during CIP only.

## Availability

The PHP liquid filter housing range is available for 1 to 30 round cartridges. They will accept Parker's full range of C-Style (226) liquid filter cartridges of nominal length 10" 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

Internal surfaces are mechanically polished to <math><0.8\mu\text{m}</math>. External surfaces are mechanically mirror polished.

## Cleanability

Sanitary crevice free design and mirror polished surfaces guarantee enhanced cleanability. This range is suitable for both SIP and CIP.

## Connections

The PHP range is available with a range of standard connections including ASME BPE clamp, DIN 11851 and butt weld.

## Certification

Each filter housing is supplied as standard with a manufacturer's report test certificate, declaration of conformity (where applicable) 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
Gasket Materials:	Silicone (or EPDM)
Housing Closure:	Vee-Clamp (01, 03, 05 and 08) / Screw Clamp (12, 18, 24 and 30)
Cartridge Location:	C-Style (226)
Internal Surface:	Ra <0.8um Mechanical Polish
External Surface:	Mechanical Mirror Polish
Design Conditions:	
Continuous use (PED group 2 fluids):	FV to 10 Bar @ -20 to 40°C (-14 to 145 psi @ -4 to 104°F) FV to 4 Bar @ -20 to 150°C (-14 to 58 psi @ -4 to 302°F)
CIP (PED group 1 liquids):	0 – 3 Bar @ 10 – 80°C (0 – 43.5 psi @ 50 – 176°F)

## Standard Housing - Ordering Information

Part Code	Size	Cartridge Loc.	Seal	Inlet / Outlet	Vent	Drain
PHP0117S21M8T010	1 x 10"	C-Style (226)	Silicone	Clamp ASME BPE (1")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1")
PHP0127S21M8T010	1 x 20"	C-Style (226)	Silicone	Clamp ASME BPE (1")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1")
PHP0137S21M8T010	1 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (1")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1")
PHP0147S21M8T010	1 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (1")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1")
PHP0327S21M8T015	3 x 20"	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0337S21M8T015	3 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0347S21M8T015	3 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0527S21M8T020	5 x 20"	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0537S21M8T020	5 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0547S21M8T020	5 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0827S21M8T020	8 x 20"	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0837S21M8T020	8 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP0847S21M8T020	8 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP1237S21M8T030	12 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP1247S21M8T030	12 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP1837S21M8T030	18 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP1847S21M8T030	18 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP2437S21M8T030	24 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP2447S21M8T030	24 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP3037S21M8T030	30 x 30"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")
PHP3047S21M8T030	30 x 40"	C-Style (226)	Silicone	Clamp ASME BPE (3")	Clamp ASME BPE (1.5")	Clamp ASME BPE (1.5")

For further information refer to drawings 179502687 (PHP01), 179502702 (PHP03), 179502703 (PHP05), 179502704 (PHP08), 179502705 (PHP12), 179502706 (PHP18), 179502707 (PHP24) and 179502708 (PHP30).

## Further Documentation

- ▶ Material Certificates 3.1 (609500552)
- ▶ Roughness Certificate 3.1 (609500345)
- ▶ Weld Procedure Book (609500339)
- ▶ Weld Qualification Book (609500340)

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

## Accessories

Part Number	Part Code	Description
639503426	XPGSS08TC1	0 - 10 Bar pressure gauge with vent valve
639503425	XGSSS08TC1	0 - 10 Bar pressure gauge with sight glass and valve
639503421	XVASS05TC3	Sample valve (1.5" TC)
639503423	XVASS06TC	Ball valve (1.5" TC)

