

PHL SINGLE HOUSINGS

Liquid filter housings

- Specifically designed for liquid filtration applications in the pharmaceutical industry.
- PED 2014/68/EU, ATEX 2014/34/EU and FDA compliance.
- Sanitary T-Style arrangement.
- Electropolished surfaces.

Applications

The PHL housings range is specifically designed for final filtration & purification in pharmaceutical liquid applications. Suitable for use with PED Group 1 & 2 liquids and gases.

Availability

The PHL liquid filter housing accepts Parker's full range of C-Style (226) liquid filter cartridges, of nominal length 10".

Materials

AISI 316L grade stainless steel is used for all wetted parts assuring corrosion resistance and durability. All gasket materials meet USP Class VI, FDA regulatory requirements & Food Grade (EC) No 1935/2004 compliance.

Surface Finish

Internal surfaces are electropolished to $<0.4\mu\text{m Ra}$ (where technically possible). External surfaces are mechanically polished $<1.2\mu\text{m Ra}$.

All accessible welds are fully ground.

Cleanability

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

Connections

The PHL range is available as standard with ASME BPE clamp connections. Vent and drain ports are ASME BPE clamp. A lateral sanitary bleed valve vent is available as an option.



Technical Data

Materials (wetted surfaces):

316L Stainless Steel

Gasket Materials:

Silicone (EPDM or PTFE also available)

Housing Closure:

Safety Clamp / Double Bolted Clamp

Number of Cartridges:

01

Cartridge Height:

10"

Cartridge location:

C-Style (226)

Internal Surface:

Electropolished Ra <0.4µm

External Surface:

Polished Ra <1.2µm

Design Conditions:

FV to 10 Barg @ 150°C (-14 to 145 psi @ 302°F)

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

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.

Standard Housing - Ordering Information

Part Code	Size	Cartridge Loc.	Seal	Inlet / Outlet	Vent / Drain
PHL0117SP91E4T0100	10"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / 1/2" TC
PHL0117SP01E4T0100	10"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / No Drain

Other part code variations are available. Refer to drawing: 179502720

Accessories

Part Number	Part Code	Description
639509089	XAKSS06AL7	0 – 10 Bar Pressure Gauge, 1.5" Clamp connection, c/w sanitary valve, clamp & gasket
639509078	XVASS06AL8	Manual ball valve, 0.5" Clamp, c/w clamp & gasket
639509083	XVASS04AL3	Sanitary Drain valve, 0.5" Tri-Clamp to Hosebarb c/w clamp & seal
639509084	XVASS04AL4	Sanitary Drain valve, 0.5" Tri-Clamp to Staubli RBE03 c/w clamp & seal

