

PHL Single 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 gas.

Availability

The PHL liquid filter housing will accept Parker's full range of C-Style (226) liquid filter cartridges, of nominal length 5" to 30".

Materials

AISI 316L grade stainless steel is used for all wetted parts assures corrosion resistance and durability. All gasket materials meet USP Class VI, FDA regulatory requirements & Food Grade EC 1935/2004 compliance.

Surface Finish

Internal surfaces are Electropolished $<0.4\mu\text{m Ra}$. 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.

Certification

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.

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 (EPDM or PTFE also available)
Housing Closure:	Safety Clamp / Double Bolted Clamp
Number of Cartridges:	01
Cartridge Height:	5" 10", 20" & 30"
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)

Standard Housing - Ordering Information

Part Code	Size	Cartridge Location	Seal	Inlet /Outlet	Vent / Drain
PHL01K7SP91E4T0100	5"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / 1/2" TC
PHL0117SP91E4T0100	10"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / 1/2" TC
PHL0127SP91E4T0100	20"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / 1/2" TC
PHL0137SP91E4T0100	30"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / 1/2" TC
PHL01K7SP01E4T0100	5"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / No Drain
PHL0117SP01E4T0100	10"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / No Drain
PHL0127SP01E4T0100	20"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / No Drain
PHL0137SP01E4T0100	30"	C-Style (226)	Silicone	Clamp ASME BPE (1")	1.5" TC / No Drain

Other part variations are available. Refer to drawing: 179502720

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
639509077	XPGSS06AL7	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