

PHS Single Housings



- ▶ Specifically designed for purification of air and gas applications in the pharmaceutical industry.
- ▶ PED 2014/68/EU, ATEX 2014/34/EU, PE(S)R 2016 and FDA compliance.
- ▶ Includes plenum chamber for condensate management.
- ▶ Electropolished surfaces.

Applications

The PHS range is specifically designed for final sterile filtration & purification of compressed air and gas in pharmaceutical applications.

Suitable for use with PED Group 1 & 2 gas.

Availability

The PHS range is available for Parker's full range of C-Style [226] gas 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 FDA regulatory requirements & food grade EC 1935/2004 compliance.

Surface Finish

The PHS offers a sanitary crevice free hygienic design with electropolished surfaces. Internal surface finish is Ra 0.4um and all accessible assembly welds are removed. External surfaces are polished Ra 1.2um.

Connections

Sanitary T-Style design with ASME BPE clamp connections on the inlet, outlet, vent and drain. Vent port options are available including a lateral sanitary bleed valve, allowing in-situ integrity testing

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 (EPDM, or PTFE also available)
Housing Closure:	Safety Clamp / Double Bolted Clamp
Number of Cartridges:	01
Cartridge Height:	10", 20" & 30"
Cartridge Location:	C-Style [226]
Internal Surface:	Electropolished Ra <0.4µm
External Surface:	Electropolished Ra 1.2µm
Design Conditions:	FV to 10 Barg @ 150°C (-14 to 145 psi @ 302°F)

Standard Housing - Ordering Information

Part Code	Size	Design Pressure	Cartridge Loc.	Seal	Inlet / Outlet	Vent / Drain
PHS001K7SP91E4T0150	5"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	1.5" TC / 1/2" TC
PHS00117SP91E4T0150	10"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	1.5" TC / 1/2" TC
PHS00117SP91E4T0200	10"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (2")	1.5" TC / 1/2" TC
PHS00127SP91E4T0150	20"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	1.5" TC / 1/2" TC
PHS00127SP91E4T0200	20"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (2")	1.5" TC / 1/2" TC
PHS00137SP91E4T0150	20"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (1.5")	1.5" TC / 1/2" TC
PHS00137SP91E4T0200	30"	10 Bar	C-Style [226]	Silicone	Clamp ASME BPE (2")	1.5" TC / 1/2" TC

Other part variations are available. Refer to drawing: 179503077

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
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