

# PHS SINGLE HOUSINGS

## Gas filter housings

- Specifically designed for purification of air and gas applications in the pharmaceutical industry.
- PED 2014/68/EU, ATEX 2014/34 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 10".

### 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

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.

### Surface Finish

The PHS offers a sanitary, crevice free, hygienic design with electropolished surfaces. Internal surface finish is Ra 0.4um. External surfaces are polished to Ra 1.2um. All accessible welds are fully ground.

### Connections

Sanitary T-Style design with ASME BPE clamp connections on the inlet, outlet, vent and drain. For the vent port there is an option to include a lateral sanitary bleed valve with Staubli quick coupling, to enable in-situ integrity testing.



## 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:**

Electropolished 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	Design Pressure	Cartridge Loc.	Seal	Inlet / Outlet	Vent / Drain
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

*Please enquire for other filter sizes*

## Accessories

Part Number	Part Code	Description
639509089	XAKSS06AL7	1.5" TC Diaphragm Pressure Gauge with Sampling Port (Hosebarb) + Clamp
639509083	XVASS04AL3	1.5" TC Diaphragm Pressure Gauge with Sampling Port (Staubli RBE03) + Clamp
639509084	XVASS04AL4	Sanitary Drain valve, 0.5" Tri-Clamp to Staubli RBE03 c/w clamp & seal



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