

PHS DEMI HOUSINGS

Gas filter housings

- Specifically designed for sterile air and gas applications in the pharmaceutical industry.
- PED 2014/68/EU, ATEX 2014/34/EU and FDA compliance.
- Includes plenum chamber for condensate management.
- Clamp closure system allows easy handling.

Applications

The PHS Demi housings range is specifically designed for low flow rate final sterile filtration and purification of compressed air and gas in pharmaceutical applications.

Suitable for use with PED Group 1 and 2 gases.

Availability

The PHS Demi range is available for Parker's full range of True Seal (126) gas filter cartridges of nominal length 2.5" and 5".

Materials

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

Surface Finish

Internal surfaces are mechanically polished $<0.4\mu\text{m Ra}$ downstream, $<0.8\mu\text{m Ra}$ upstream.

All accessible welds are fully ground.

Connections

The PHS Demi range is available with ASME BPE clamp connections. Standard vent and drain ports are ASME BPE clamp. Additional vent options include a lateral sanitary bleed valve allowing in-situ integrity testing.



Technical Data

Materials (wetted surfaces):

316L Stainless Steel

Gasket Materials:

Silicone (EPDM or FEP enclosed silicone also available)

Housing Closure:

Clamp

Number of Cartridges:

01

Cartridge Height:

2.5" and 5"

Cartridge location:

Trueseal (126)

Internal Surface:

Mechanical Polished Ra <0.4µm (Downstream)

Mechanical Polished Ra <0.8µm (Upstream)

External Surface:

Mechanical Mirror Polish

Design Conditions:

FV to 10 Bar @ -20 to 40°C (-14 to 145 psi @ -4 to 104°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
PHS001BTSC91M4T0050	2.5"	10 Bar	Trueseal (126)	Silicone	Clamp ASME BPE (0.5")	Clamp ASME BPE
PHS001BTSC91M4T0100	2.5"	10 Bar	Trueseal (126)	Silicone	Clamp ASME BPE (1")	Clamp ASME BPE
PHS001ATSC91M4T0050	5"	10 Bar	Trueseal (126)	Silicone	Clamp ASME BPE (0.5")	Clamp ASME BPE
PHS001ATSC91M4T0100	5"	10 Bar	Trueseal (126)	Silicone	Clamp ASME BPE (1")	Clamp ASME BPE

Other part code variations are available. Refer to drawing:179502679 for full part coding structure

Accessories

Part Number	Part Code	Description
639509089	XAKSS06AL7	0 – 10 Bar Pressure Gauge, 1.5" Clamp connection, c/w sanitary valve, clamp & gasket
639509079	XVASS04AL2	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



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