

PHB DEMI HOUSINGS

Air/gas filter housings

- Specifically designed for gas filtration applications in the food and beverage industry.
- PED 2014/68/EU, ATEX 2014/34/EU and food grade EC1935/2004 compliance.
- Includes plenum chamber for condensate management.
- Clamp closure system allows easy handling.

Applications

The PHB filter housing range is specifically designed for gas filtration applications in:

- Beer
- Wine
- Bottled Water
- Dairy

Suitable for use with PED Group 1 and 2 Gas.

Availability

The PHB Demi gas filter housing range is available for Parker's full range of True Seal (126) gas filter cartridges of nominal lengths 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 and Food Grade EC 1935/2004 compliance.

Surface Finish

As standard, internal surfaces downstream are fine brushed to $0.8\mu\text{m Ra}$. Internal surfaces upstream (bowl) are fine brushed. External surfaces are fine brushed with satin finish. All assembly welds remain evident.

Connections

The PHB Demi is available with BSP inlet and outlet connections. The vent and drain ports are 1/4" BSP and come with plugs as standard.



Technical Data

Materials (wetted surfaces):

316L Stainless Steel

Gasket Materials:

Silicone (EPDM or FEP enc. silicone also available)

Housing Closure:

Clamp

Number of Cartridges:

01

Cartridge Height:

2.5" and 5"

Cartridge Location:

True seal (126)

Internal Surface (Downstream):

Ra <0.8um Fine Brushed

Internal Surface (Upstream):

Fine Brushed

External Surface:

Fine Brushed (Satin Finish)

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)
- 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
PHB001BTSC77M8B0051	2.5"	10 Bar	True seal (126)	Silicone	1/2" BSP	BSPF (1/4") c/w plug
PHB001BTSC77M8B0101	2.5"	10 Bar	True seal (126)	Silicone	1" BSP	BSPF (1/4") c/w plug
PHB001ATSC77M8B0051	5"	10 Bar	True seal (126)	Silicone	1/2" BSP	BSPF (1/4") c/w plug
PHB001ATSC77M8B0101	5"	10 Bar	True seal (126)	Silicone	1" BSP	BSPF (1/4") c/w plug

Other part code variations are available. Refer to drawing:179502678

Accessories

Part Number	Part Code	Description
639509074	XPGSS03AL1	0 – 10 Bar pressure gauge, c/w manual ball valve with nipple
639509076	XVASS03AL	Ball valve, BSPM 1/4" c/w hose adaptor



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