

# PHB Demi 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.
- ▶ Available with 10 Bar or 16 Bar design pressure.
- ▶ 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 & 2 Gas.

## Availability

The PHB Demi gas filter housing range is available for Parker's full range of Trueseal (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 comes as standard with BSP inlet and outlet connections (BSP vent and drain). Other options are available including ANSI Flange, EN1092-1 Flange and NPT.

## Certification

Each filter housing is supplied as standard with a manufacturer's report test certificate, declaration of conformity (where applicable) and user manual.

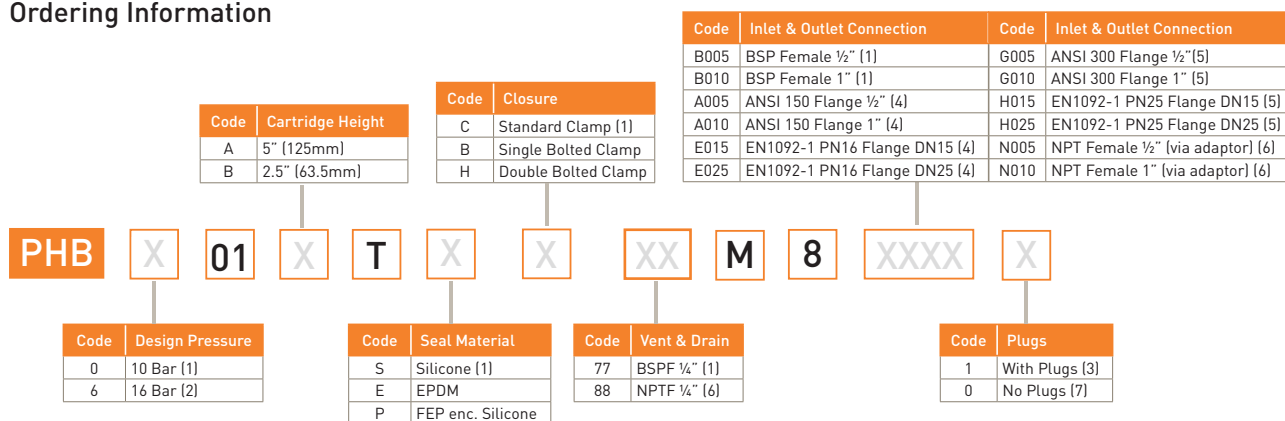
## Directives

Parker filter housings are manufactured in accordance with European Directives: PED 2014/68/EU and ATEX 2014/34/EU.

## Technical Data

Materials (wetted surfaces):	316L Stainless Steel
Gasket Materials:	Silicone (EPDM or FEP enc. silicone also available)
Housing Closure:	Clamp (Double Bolted Clamp on 16 Bar version)
Number of Cartridges:	01
Cartridge Height:	2.5" & 5"
Cartridge Location:	Truseal (126)
Internal Surface (Downstream):	Ra <0.8µm 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) FV to 16 Barg @ 150°C (-14 to 232 psi @ 302°F)

## Ordering Information



- (1) Considered standard configuration
- (2) Double bolt clamp must be selected
- (3) Plug gasket material is PTFE
- (4) Only available on 10 Bar option
- (5) Only available on 16 Bar option
- (6) Vent and drain are NPT only with NPT inlet and outlet
- (7) Plugs cannot be supplied with NPT option

*For steam, select EPDM or FEP enc Silicone seal material  
For further information refer to drawings: 179502678*

## 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*

## Accessories

Part Code	Part Number	Description
XPGSS03AL1	639509074	0 – 10 Bar pressure gauge, c/w manual ball valve with nipple
XPGSS03AL2	639509075	0 – 16 Bar pressure gauge, c/w manual ball valve with nipple
XVASS03AL	639509076	Ball valve, BSPM ¼" c/w hose adaptor