

# 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 Gases.

### Availability

The PHB Demi gas filter housing range accepts 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) No 1935/2004 compliance.

### Surface Finish

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 enclosed 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 <0.8µm 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)

## 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 ¼" c/w hose adaptor                         |



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