

# PHB SINGLE 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 FDA 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 2 Gases.

### Availability

The PHB housing range accepts Parker's full range of C-Style (226) gas filter cartridges of nominal lengths 5" to 30".

### Materials

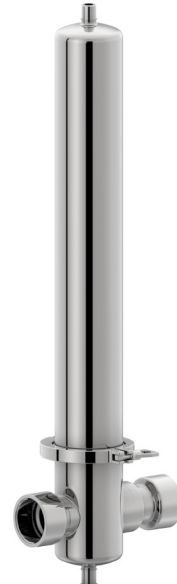
AISI 316L grade stainless steel is used for all wetted parts, assuring corrosion resistance and durability. All gasket materials meet FDA regulatory requirements and Food Grade (EC) No 1935/2004 compliance.

### Surface Finish

Standard version: Internal surfaces are mechanically polished to  $<0.8\mu\text{m}$  Ra downstream only. All assembly welds remain evident (internal and external).

Enhanced version: Internal surfaces are mechanically polished to  $<0.4\mu\text{m}$  Ra downstream and  $<0.8\mu\text{m}$  Ra upstream. All accessible assembly welds are removed (internal and external).

External finish (both versions) is mechanically polished.



## Technical Data

### Materials (wetted surfaces):

316L Stainless Steel

### Gasket Materials:

Silicone (or EPDM)

### Housing Closure:

Clamp

### Number of Cartridges:

01

### Cartridge Height:

5" 10", 20" and 30"

### Cartridge location:

C-Style (226)

### Internal Surface: (Downstream)

Mechanical Polish to Ra <0.8µm (Standard)

Mechanical Polish to Ra <0.4µm (Enhanced)

### Internal Surface: (Upstream)

Fine Brushed (Standard)

Mechanical Polish to Ra <0.8µm (Enhanced)

### External Surface:

Mechanical Polish

### Design Conditions:

FV to 10 Barg @ 150°C (-14 to 145 psi @ 302°F)

## Connections

The PHB comes as standard with ASME BPE clamp connections. Other options are available including BSP and Butt Weld. Vent and drain ports are 1/4" BSPF as standard and are supplied with a plugs. A clamp vent and drain is also available, along with a lateral port option on the enhanced finish PHB.

## 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	Type	Design Pressure	Cartridge Loc.	Seal	Inlet/Outlet	Vent / Drain
PHB001K7SC77M8T0151	5"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	BSPF (1/4") c/w plug
PHB00117SC77M8T0151	10"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	BSPF (1/4") c/w plug
PHB00117SC77M8T0201	10"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	BSPF (1/4") c/w plug
PHB00127SC77M8T0151	20"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	BSPF (1/4") c/w plug
PHB00127SC77M8T0201	20"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	BSPF (1/4") c/w plug
PHB001K7SC91M8T0151	5"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE blank
PHB00117SC91M8T0151	10"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE blank
PHB00117SC91M8T0201	10"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE blank
PHB00127SC91M8T0151	20"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE blank
PHB00127SC91M8T0201	20"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE blank
PHB001K7SC91M4T0151	5"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE blank
PHB00117SC91M4T0151	10"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE blank
PHB00117SC91M4T0201	10"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE blank
PHB00127SC91M4T0151	20"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE blank
PHB00127SC91M4T0201	20"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE blank

*Other part code variations are available. Refer to drawing: 179502680.*

## 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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Rev 6

Date of Issue: 02/25  
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