# PHB Single 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 2 Gas.

#### Availability

The PHB gas filter housing range is available for 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 1935/2004 compliance.

## Surface Finish

As standard, internal surfaces downstream are mechanically polished to <0.8µm Ra. All other internal and external surfaces are fine brushed with a satin finish. Assembly welds remain evident.

## Connections

The PHB comes as standard with ASME BPE clamp connections (BSP vent and drain). Other options are available including: ANSI Flange, EN1092-1 Flange, Butt Weld and NPT.

#### Certification

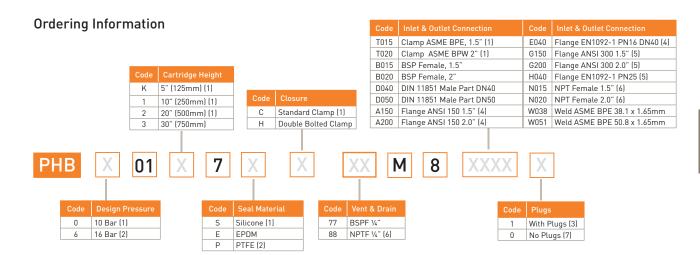
Each filter housing is supplied as standard with a manufacturer's report test certificate, declaration of conformity (where applicable) and user manual.

## 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 PTFE also available - PTFE requires double bolted clamp)		
Housing Closure:	Clamp (Double Bolted Clamp on 16 Bar version)		
Number of Cartridges:	01		
Cartridge Height:	5", 10", 20" & 30"		
Cartridge Location:	C-Style (226)		
Internal Surface (Downstream):	Ra <0.8um Mechanical Polish		
Internal Surface (Upstream):	Fine Brushed		
External Surface:	Mechanical Polish		
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)		



- (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 drawing: 179502680

#### **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

#### 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

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