

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 Gas.

Availability

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

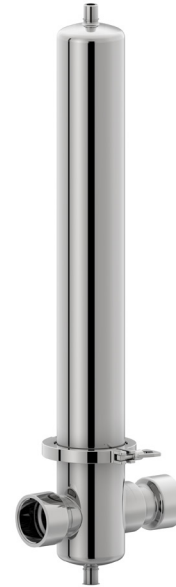
Materials

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

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 polished to Ra <0.8um* or Ra <0.4um (Enhanced)

Internal Surface: (Upstream)

Fine Brushed (Standard), Mechanical Polish

Ra <0.8um (Enhanced)

External Surface:

Polished Ra <1.2um

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 c/w plug
PHB00117SC91M8T0151	10"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00117SC91M8T0201	10"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE c/w plug
PHB00127SC91M8T0151	20"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00127SC91M8T0201	20"	Standard	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE c/w plug
PHB001K7SC91M4T0151	5"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00117SC91M4T0151	10"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00117SC91M4T0201	10"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE c/w plug
PHB00127SC91M4T0151	20"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00127SC91M4T0201	20"	Enhanced	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE c/w plug

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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