

PHB Single Housing



- ▶ Specifically designed for gas filtration applications in the food and beverage industry.
- ▶ 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

As standard, internal surfaces downstream are mechanically polished to $<0.8\mu\text{m Ra}$. 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. 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 version is also available as an option.

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
- ▶ Pressure Equipment (Safety) Regulations 2016.

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" & 30"
Cartridge Location:	C-Style (226)
Internal Surface (Downstream):	Ra <0.8um Mechanical Polish
External Surface (Upstream):	Fine Brushed
External Surface:	Mechanical Polish
Design Conditions:	FV to 10 Barg @ 150°C (-14 to 145 psi @ 302°F)

Standard Housing - Ordering Information

Part Code	Size	Design Pressure	Cartridge Location	Seal	Inlet /Outlet	Vent / Drain
PHB001K7SC77M8T0151	5"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	BSPF (1/4") c/w plug
PHB001K7SC91M8T0151	5"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00117SC77M8T0151	10"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	BSPF (1/4") c/w plug
PHB00117SC91M8T0151	10"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00117SC77M8T0201	10"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	BSPF (1/4") c/w plug
PHB00117SC91M8T0201	10"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	Clamp ASME BPE c/w plug
PHB00127SC77M8T0151	20"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	BSPF (1/4") c/w plug
PHB00127SC91M8T0151	20"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (1.5")	Clamp ASME BPE c/w plug
PHB00127SC77M8T0201	20"	10 Bar	C-Style (226)	Silicone	Clamp ASME BPE (2")	BSPF (1/4") c/w plug
PHB00127SC91M8T0201	20"	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 for full part coding structure.

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 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