

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 $<0.8\mu\text{m Ra}$. 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 (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)

Ordering Information

Code	Cartridge Height
K	5" (125mm) (1)
1	10" (250mm) (1)
2	20" (500mm) (1)
3	30" (750mm)

Code	Closure
C	Standard Clamp (1)
H	Double Bolted Clamp

Code	Inlet & Outlet Connection	Code	Inlet & Outlet Connection
T015	Clamp ASME BPE, 1.5" (1)	E040	Flange EN1092-1 PN16 DN40 (4)
T020	Clamp ASME BPW 2" (1)	G150	Flange ANSI 300 1.5" (5)
B015	BSP Female, 1.5"	G200	Flange ANSI 300 2.0" (5)
B020	BSP Female, 2"	H040	Flange EN1092-1 PN25 (5)
D040	DIN 11851 Male Part DN40	N015	NPT Female 1.5" (6)
D050	DIN 11851 Male Part DN50	N020	NPT Female 2.0" (6)
A150	Flange ANSI 150 1.5" (4)	W038	Weld ASME BPE 38.1 x 1.65mm
A200	Flange ANSI 150 2.0" (4)	W051	Weld ASME BPE 50.8 x 1.65mm

PHB X 01 X 7 X X XX M 8 XXXX X

Code	Design Pressure
0	10 Bar (1)
6	16 Bar (2)

Code	Seal Material
S	Silicone (1)
E	EPDM
P	PTFE (2)

Code	Vent & Drain
77	BSPF 1/4"
88	NPTF 1/4" (6)

Code	Plugs
1	With Plugs (3)
0	No Plugs (7)

- (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 1/4" c/w hose adaptor