

# PHB MULTI 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 food grade EC1935/2004 compliance.
- Includes plenum chamber for condensation management.
- Available with 5 Bar or 10 Bar design pressure.
- Screw clamp closure system for added security.

## Applications

The PHB multi round housing range is specifically designed for high flow rate gas filtration applications in:

- Beer
- Wine
- Bottled Water
- Dairy
- Industrial Fermentation

Suitable for use with PED Group 2 gas.

## Availability

The PHB multi round gas filter housing is available in sizes 5, 8 and 12 round. These housings will accept Parker's full range of C-Style gas filter cartridges of nominal lengths 10", 20" and 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 in the downstream are mechanically polished to  $<0.8\mu\text{m Ra}$ . Internal surfaces in the upstream are as fabricated and pickled. External surfaces are shot peened. All assembly welds remain evident.



## Technical Data

### Materials (wetted surfaces):

316L Stainless Steel

### Gasket Materials:

Silicone (EPDM or FEP enc. Silicone also available)

### Housing Closure:

Screw Clamps

### Number of Cartridges:

05, 08 and 12

### Cartridge Height:

10", 20" and 30"

### Cartridge Location:

C-Style (226)

### Internal Surface (Downstream):

Ra <0.8um Mechanical Polish

### Internal Surface (Upstream):

Pickled

### External Surface:

Shot Peened

### Design Conditions:

FV to 5 Barg @ 150°C (-14 to 72.5 psi @ 302°F)

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

## Connections

The PHB multi round comes as standard with EN1092-1 flange or ISO 1127-1 butt weld connections. Vent and drain ports are ½" BSPF and are supplied with plugs as standard.

## 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	Design Pressure	Cartridge Loc.	Seal	Inlet / Outlet	Vent / Drain
PHBE0517SS88A8E100P	5 x 10"	5 Bar	C-Style (226)	Silicone	DN100 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE0527SS88A8E100P	5 x 20"	5 Bar	C-Style (226)	Silicone	DN100 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE0537SS88A8E100P	5 x 30"	5 Bar	C-Style (226)	Silicone	DN100 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE0827SS88A8E150P	8 x 20"	5 Bar	C-Style (226)	Silicone	DN150 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE0837SS88A8E150P	8 x 30"	5 Bar	C-Style (226)	Silicone	DN150 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE1227SS88A8E150P	12 x 20"	5 Bar	C-Style (226)	Silicone	DN150 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE1237SS88A8E150P	12 x 30"	5 Bar	C-Style (226)	Silicone	DN150 EN1092-1 Flange	BSPF (1/2") c/w plug

*Other part code variations are available. Refer to drawing number: 179502689*

## Accessories

Part Number	Part Code	Description
639509116	XPGSS04AL10	0 – 6 Bar pressure gauge, ½" BSP c/w manual ball valve vent and staubli coupling
639509117	XPGSS04AL11	0 – 10 Bar pressure gauge, ½" BSP, c/w manual ball valve vent and staubli coupling
639509056	XVASS04AL6	½" BSP manual ball valve



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