

PHB Multi 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 from 3 up to 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.

Connections

The PHB multi round comes as standard with EN1092-1 flange or ISO 1127-1 butt weld connections. Vent and drain ports are $\frac{1}{2}$ " 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
- ▶ Pressure Equipment (Safety) Regulations 2016

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:	03, 05, 08 & 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)

Standard Housing - Ordering Information

Part Code	Size	Design Pressure	Cartridge Loc.	Seal	Inlet / Outlet	Vent / Drain
PHBE0317SS88A8E080P	3 x 10"	5 Bar	C-Style (226)	Silicone	DN80 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE0327SS88A8E080P	3 x 20"	5 Bar	C-Style (226)	Silicone	DN80 EN1092-1 Flange	BSPF (1/2") c/w plug
PHBE0337SS88A8E080P	3 x 30"	5 Bar	C-Style (226)	Silicone	DN80 EN1092-1 Flange	BSPF (1/2") c/w plug
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

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 Code	Part Number	Description
XPGSS04AL10	639509116	0 – 6 Bar pressure gauge, 1/2" BSP c/w manual ball valve vent and staubli coupling
XPGSS04AL11	639509117	0 – 10 Bar pressure gauge, 1/2" BSP, c/w manual ball valve vent and staubli coupling
XVASS04AL6	639509056	1/2" BSP manual ball valve