

PHI Inline Housing



- ▶ Specifically designed for liquid and gas filtration applications in the pharmaceutical industry.
- ▶ PED 2014/68/EU, ATEX 2014/34/EU and FDA compliance.
- ▶ Inline sanitary single round housing.
- ▶ Electropolishing option.

Applications

The PHI filter housing range is specifically designed for inline liquid and gas filtration in the pharmaceutical industry.

Suitable for use with PED Group 2 liquid and gas.

Availability

The PHI filter housing range will accept Parker's full range of C-Style (226) liquid and gas filter cartridges, of nominal lengths 5" to 40".

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 are mechanically polished to $<0.4\mu\text{m Ra}$. Electropolishing is available as an option. External surfaces are mirror polished. All accessible welds are fully ground.

Connections

The PHI range is available with ASME BPE clamp (1.5") inlet and outlet. This range comes with or without vent and drain connections. Options include ASME BPE clamp (vent & drain) and lateral sanitary bleed valve (vent only).

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 & ATEX 2014/34/EU.

Technical Data

Materials (wetted surfaces):	316L Stainless Steel
Gasket Materials:	Silicone (EPDM, Viton or PTFE also available – PTFE requires double bolted clamp)
Housing Closure:	Clamp / Double Bolted Clamp
Number of Cartridges:	01
Cartridge Height:	5", 10", 20", 30" & 40"
Cartridge location:	C-Style (226)
Internal Surface:	Ra <0.4µm Mechanical Polish
External Surface:	Mirror Polished
Design Conditions:	FV to 10 Barg @ 150°C (-14 to 145 psi @ 302°F)

Ordering Information

Code	Cartridge Height	Code	Closure	Code	Vent Arrangement
K	5" (125mm) (1)	C	Standard Clamp (1)	0	No Vent (1)
1	10" (250mm) (1)	H	Double Bolted Clamp	2	Hosebarb (3)
2	20" (500mm) (1)			4	Staubli RBE 03 (3)
3	30" (750mm)			5	½" Tri-Clamp
4	40" (1000mm)			6	Rectus 21 (3)

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Code	Design Pressure	Code	Seal Material	Code	Drain	Code	Finishing
0	10 Bar (1)	S	Silicone (1)	0	Without Drain (1)	M	Mechanical Polish (1)
6	16 Bar (2)	E	EPDM	9	With Drain	E	Electropolishing
		V	Viton				
		P	PTFE (2)				

(1) Considered standard configuration

(2) Double bolt clamp must be selected

(3) For the lateral vent option the flat gasket is PTFE and the o-ring is Viton

For further information refer to drawing 179502709

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
XVASS04AL3	639509083	Sanitary Drain valve, 0.5" Tri-Clamp to Hosebarb c/w clamp & seal
XVASS04AL4	639509084	Sanitary Drain valve, 0.5" Tri-Clamp to Staubli RBE03 c/w clamp & seal
XVASS04AL5	639509085	Sanitary Drain valve, 0.5" Tri-Clamp to Rectus 21 c/w clamp & seal