

PHP Single and Multi Housings



- ▶ Specifically designed for liquid filtration applications in the food and beverage industry.
- ▶ PED 2014/68/EU, ATEX 2014/34/EU and food grade EC1935/2004 compliance.
- ▶ Easy handling sanitary single and multi cartridge filter housings.
- ▶ Cost effective housing without compromising quality.
- ▶ Supplied with adjustable support legs.

Applications

The PHP housing range is specifically designed for liquid applications in:

- ▶ Beer
- ▶ Wine
- ▶ Bottled Water

Suitable for use with PED Group 2 liquid and gas.

Availability

The PHP liquid filter housing range is available for 1 to 30 round cartridges. They will accept Parker's full range of C-Style (226) or D-Style (222) liquid filter cartridges of nominal length 10" 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

Internal surfaces are mechanically polished to <math><0.8\mu\text{m}</math>. External surfaces are mechanically mirror polished.

Cleanability

Sanitary crevice free design and mirror polished surfaces guarantee enhanced cleanability. This range is suitable for both SIP and CIP.

Connections

The PHP range is available with a range of standard connections including ASME BPE clamp, DIN 11851 and butt weld.

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/FEP enc. Silicone also available)
Housing Closure:	Vee-Clamp (01, 03, 05 and 08) / Screw Clamp (12, 18, 24 and 30)
Internal Surface:	Ra <0.8um Mechanical Polish
External Surface:	Mechanical Mirror Polish
Design Conditions:	FV to 10 Bar @ -20 to 40°C (-14 to 145 psi @ -4 to 104°F) FV to 4 Bar @ -20 to 150°C (-14 to 58 psi @ -4 to 302°F)

Ordering Information

Code	Cartridge Height	Code	Seal Material	Code	Vent Port	Code	Special Features
1	10" (250mm)	S	Silicone (1)	1	Clamp ASME BPE 1.5" (1)		None (1)
2	20" (500mm)	E	EPDM	2	DIN 11851 DN25		Lifting Lugs (3)
3	30" (750mm)	P	PTFE/FEP enc. Silicone (2)				Plugs
4	40" (1000mm)	V	Viton				

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Code	Cartridge Number	Code	Cartridge Height	Code	Drain Port	Code	Clamp ASME BPE (1)	Code	SMS Male Part		
01	1 Round	7	C-Style (226) (1)	0	No Drain	T010	1"	01 (1)	S010	1"	01
03	3 Round	8	D-Style (222)	2	1" TC (for pipe Ø25.4) / 1.5" TC (for pipe Ø38.1) (1)	T015	1.5"	01,03 (1) 05, 08	S015	1.5"	01,03, 05, 08
05	5 Round			3	DIN 11851 DN25	T020	2"	05 (1), 08 (1), 12	S020	2"	05,08
08	8 Round					T025	2.5"	08,12 (1), 18 (1), 24 (1), 30	S025	2.5"	08,12,18, 24,30
12	12 Round					T030	3"	08,12,18,24,30 (1)	S030	3"	08,12,18,24,30
19	19 Round					T040	4"	12,18,24,30	S040	4"	12,18,24,30
24	24 Round										
30	30 Round										

Code	Butt Weld ASME BPE (1)	Code	RJT Male Part
W025	Ø25.4 01 (1)	R010	1" 01
W038	Ø38.1 01,03 (1) 05	R015	1.5" 01,03, 05, 08
W051	Ø50.8 05 (1), 08 (1)	R020	2" 05,08
W063	Ø63.5 08,12 (1), 18 (1), 24 (1), 30	R025	2.5" 08,12,18, 24,30
W076	Ø76.2 08,12,18,24,30 (1)	R030	3" 08,12,18,24,30
W101	Ø101.6 12,18,24,30	R040	4" 12,18,24,30

Code	DIN 11851 Male Part (1)	Code	Flange EN1092-1
D025	DN25 01 (1)	E020	DN20 01
D040	DN40 01,03 (1) 05	E032	DN32 01,03, 05, 08
D050	DN50 05 (1), 08 (1)	E040	DN40 03,05,08
D065	DN65 08,12 (1), 18 (1), 24 (1), 30	E050	DN50 05,08,12
D080	DN80 08,12,18,24,30 (1)	E065	DN65 08,12,18,24,30
D100	DN100 12,18,24,30	E080	DN80 12,18,24,30
		E100	DN100 12,18,24,30
		E125	DN125 24,30
		E150	DN150 30

Code	Butt Weld ISO 1127-1	Code	Flange ANSI 150
W114	Ø114.3x2mm 18,24,30	A075	0.75" 01
W139	Ø139.7x2mm 24,30	A125	1.25" 01,03, 05, 08
W168	Ø168.3x2mm 30	A150	1.5" 03,05,08
		A200	2" 05,08,12
		A250	2.5" 08,12,18,24
		A300	3" 08,12,18,24
		A400	4" 12,18,24
		A500	5" 24,30
		A600	6" 30

(1) Considered standard configuration
 (2) If selected, PTFE seal material only applies for PHP01. FEP enc. Silicone applies for PHP Multi (03 to 30)
 (3) Lifting lugs are not available on PHP01 or PHP03.

For further information refer to drawings 179502687 (PHP01), 179502702 (PHP03), 179502703 (PHP05), 179502704 (PHP08), 179502705 (PHP12), 179502706 (PHP18), 179502707 (PHP24) and 179502708 (PHP30).

Further Documentation

- ▶ Material Certificates 3.1 (609500552)
- ▶ Roughness Certificate 3.1 (609500345)
- ▶ Weld Procedure Book (609500339)
- ▶ Weld Qualification Book (609500340)

Accessories

Part Code	Part Number	Description
XPGSS08TC1	639503426	0 - 10 Bar pressure gauge with vent valve
XGSSS08TC1	639503425	0 - 10 Bar pressure gauge with sight glass and valve
XVASS05TC3	639503421	Sample valve (1.5" TC)
XVASS06TC	639503423	Ball valve (1.5" TC)