

HIL⁺ Filter Housing

- industrial liquid



- Industrial single element liquid housing
- Available in 3 different housing classes: ATEX, CE and High Pressure
- Industrial and industrial-electropolished surface finishes available
- Suitable for cartridge types DOE or 222
- Fabricated 'C' style version available (Not Cast Head)

Specification

Materials of Construction

- Housing: 316L Stainless Steel (Cast Head)
- Seals: EPDM FDA, PTFE FDA, Silicone FDA, Viton FDA

Surface Finish

Two Finished Available:

- Industrial Finish
Head-Cast, Pickled & Passivated
Bowl Internal: As Welded
Bowl External: Pickled & Passivated
- Industrial Electropolished Finish
Head-Cast, Pickled & Passivated
Bowl Internal: Electropolished
Bowl External: Polished 0.8 µm Ra

Welding

All assembly welds are full penetration. All welds are crevice and undercut free. Weld finish & detail drawings available upon request.

Design Code

Housings designed in accordance with the European Council Pressure Equipment Directive (PED) 97/23/EC and the UK statutory Pressure Equipment Regulations (PER) 1999 N° 2001.

Design Basis

ASME VIII Division 1. ATEX 94/9/EC (where applicable)

ATEX Working Condition PED 97/23/EC			Maximum Pressure			
Fluid Group	State	Temperature	011	012	013	014
Non Dangerous	Gas / Vapour	135 °C (275 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
Dangerous	Gas / Vapour	135 °C (275 °F)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)
Non Dangerous	Liquid	135 °C (275 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
Dangerous	Liquid	135 °C (275 °F)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)
PED Conformity Assessment Category			SEP	CAT I	CAT I	CAT I
Volume (litres)			3.2	5.1	7.0	8.9

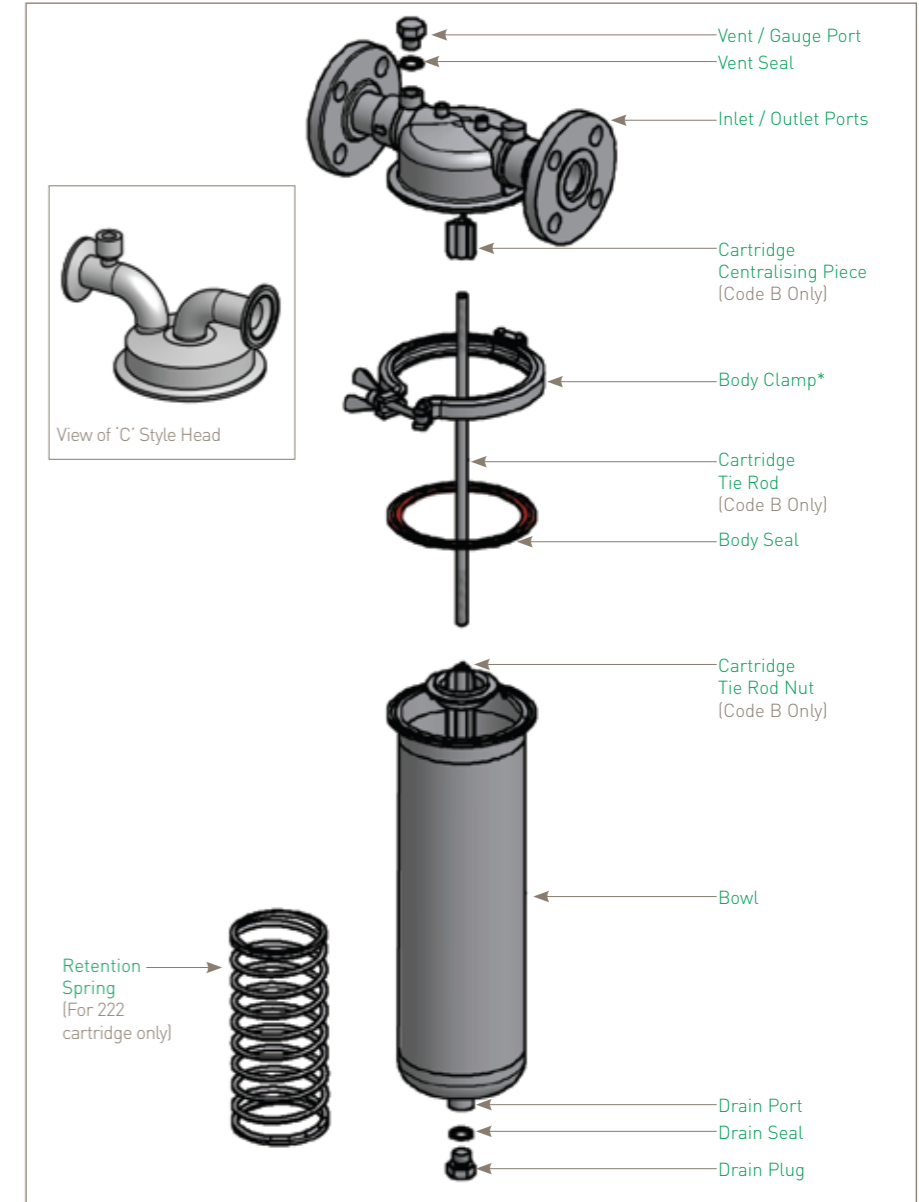
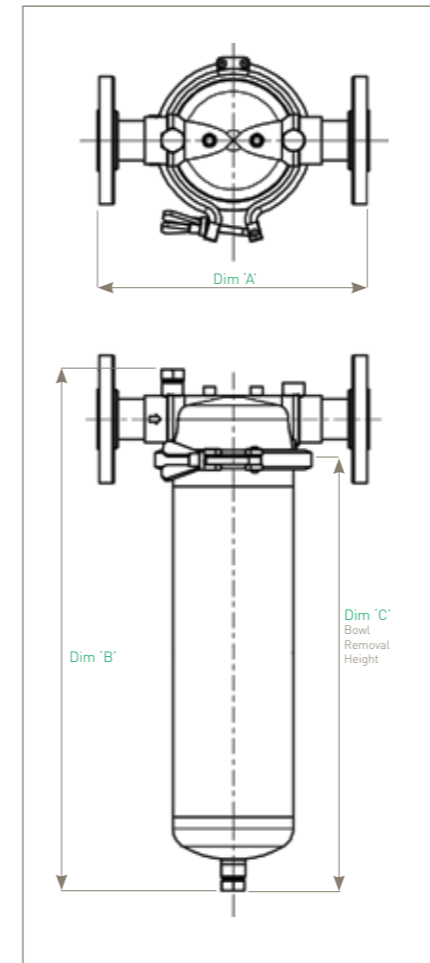
CE Working Condition PED 97/23/EC			Maximum Pressure			
Fluid Group	State	Temperature	011	012	013	014
Non Dangerous	Gas / Vapour	150 °C (302 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
Dangerous	Gas / Vapour	150 °C (302 °F)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)
Non Dangerous	Liquid	150 °C (302 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
Dangerous	Liquid	150 °C (302 °F)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)	5.00 barg (72.51 psig)
PED Conformity Assessment Category			SEP	CAT I	CAT I	CAT I
Volume (litres)			3.2	5.1	7.0	8.9

High Pressure Working Condition PED 97/23/EC			Maximum Pressure			
Fluid Group	State	Temperature	011	012	013	014
Non Dangerous	Gas / Vapour	205 °C (401 °F)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)
Non Dangerous	Liquid	205 °C (401 °F)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)
PED Conformity Assessment Category			CAT I	CAT I	CAT I	CAT I
Volume (litres)			3.2	5.1	7.0	8.9

Physical Characteristics

Bowl Height	Dimensions (mm)			Typical Weight (Kg)		
	'A'	'B'	'C'	Bowl	Head	Total
10" (250 mm)	230	441	297	1.5	5.4	7.8
20" (500 mm)	230	691	550	2.5	5.4	8.9
30" (750 mm)	230	936	814	3.5	5.4	10.0
40" (1000 mm)	230	1186	1058	4.5	5.4	11.1

Dimensions shown are for a vessel with 1" BS4504 DIN 2633 ports, 1/2" BSPP vent and drain. For other formats, please contact Parker domnick hunter.



*Double bolted clamp required for HP and PTFE seal options

Ordering Information

HIL **01** - - -

Code Vessel Class	Code Length (Nominal)	Code Connection Size	Code Standard	Code Cartridge	Code Seal	Code Vent	Code Drain
AT ATEX CE Standard HP* High Pressure	1 10" (250 mm) 2 20" (500 mm) 3 30" (750 mm) 4 40" (1000 mm)	B 1" (25.4 mm) Y 1 1/2" (38.1 mm)	B* BSPP (F) F ANSI RF150 ⁽¹⁾ H ANSI RF 300 L BS4504 DIN2633 N* NPT (F) T* Tri-clamp	B DOE C 226 (Fabricated Head) D 222	E EPDM P* PTFE S Silicone V Viton	B 1/2" BSPP N 1/2" NPT X° No Vent	B 1/2" BSPP N 1/2" NPT
					* Only available with 'C' Style cartridge configuration		
					* Double bolted clamp required		
					* Only available in 1" connection Vessels, HP Vessels to use ANSI RF-300.		
					* Only available with 'C' Style cartridge configuration		
Code Surface Finish		Internal		External		Code Tagged	
E Industrial Electropolished	Electropolished	0.8 µm				T Yes	
I Industrial	As Welded	0.8 µm				X No	
							For Tagged Options customer identification numbers required at time of ordering

PROSEP FILTER SYSTEMS LTD
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River Bank Way
Lowfields Business Park
Elland
West Yorkshire
HX5 9DN

Tel: 01422 377367

Fax: 01422 377369

Email: enquiries@prosep.co.uk

www.prosep.co.uk

Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)