

HCL Enhanced Plus Filter Housing

- Alloy 22 liquid housings

- Flow efficient range of liquid housings
- Range of inlet / outlet standard connections
- Designed specifically for aggressive liquids
- Suitable for cartridge types 226, K to 30"
- Wetted parts Alloy 22
 - Non wetted parts 304 and 316 stainless steel



Specification

Materials of Construction

- Housing: Alloy 22
(Stainless Steel non-wetted parts)
- Seals: PTFE, EPDM, Silicone or Viton
(All FDA)
- Vent / Drain Seals: PTFE *(BSP Only)*

Surface Finish

- Internal: Polished 0.8 µm Ra
- External: Polished 0.8 µm Ra
All finishes pickled & passivated.

Welding

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

Certification

Supplied as standard with vessel inspection certificate.

Material Test Certification

EN10204 3.1 supplied 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.

PED / PER conformity assessments based on Fluid Group 1 Gas (dangerous) liquid and gases. Only housings over PS.V 25 bar / litres bear the CE mark.

Design Basis

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

C22 Working Condition PED 97/23/EC			Maximum Pressure			
Fluid Group	State	Temperature	01K	011	012	013
Non Dangerous	Liquid / Gas	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			10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
PED Conformity Assessment Category			SEP	SEP	CAT I	CAT 1
Volume (litres)			1.3	2.2	3.5	4.8

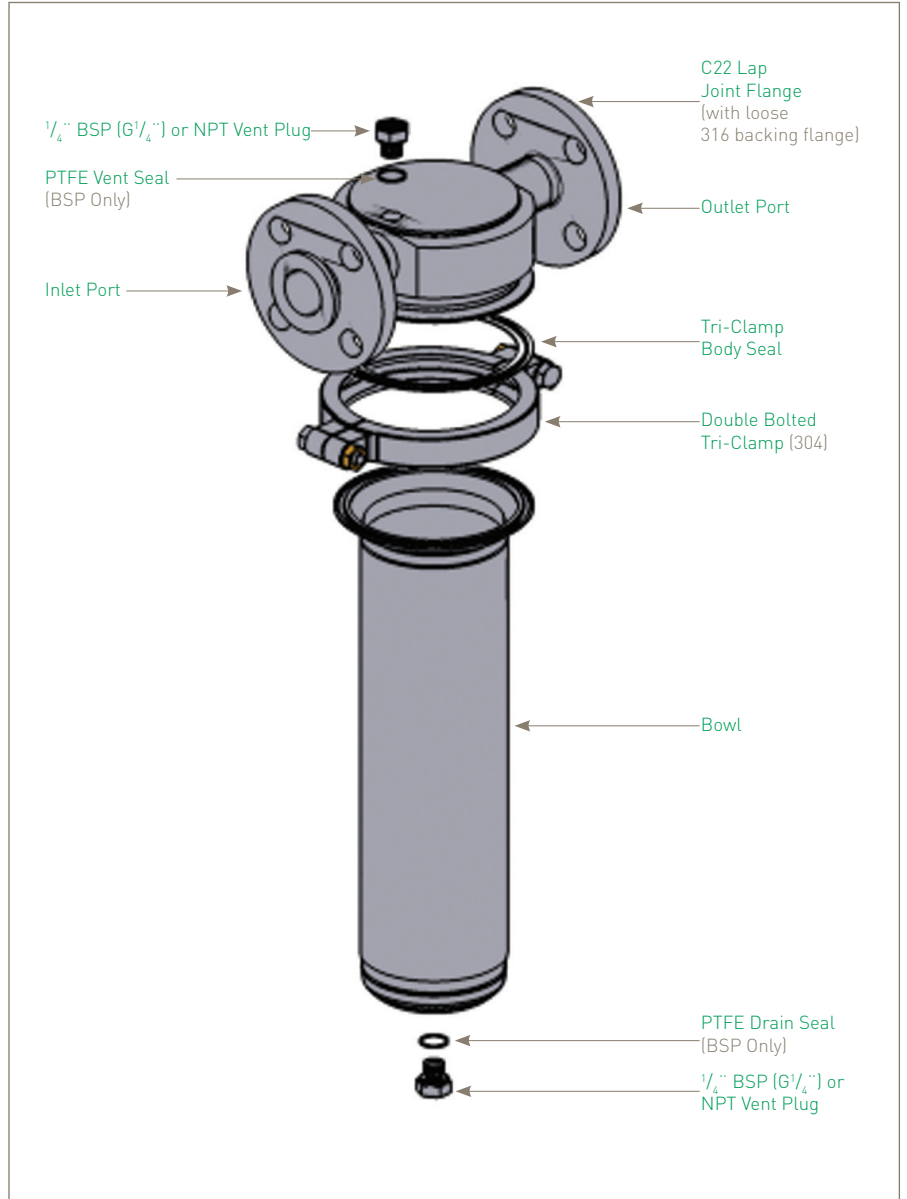
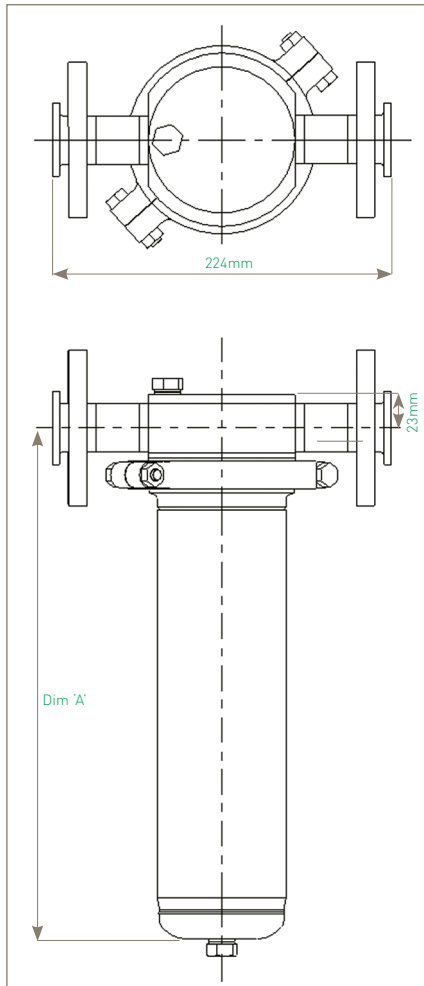
ATEX Working Condition PED 97/23/EC			Maximum Pressure			
Fluid Group	State	Temperature	01K	011	012	013
Non Dangerous	Liquid / Gas	135 °C (275 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
Dangerous			10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
PED Conformity Assessment Category			SEP	SEP	CAT I	CAT 1
Volume (litres)			1.3	2.2	3.5	4.8

Note: All housings are fully vacuum rated.

Physical Characteristics

Bowl Height	Dimensions (mm) "A"	Weight (Kg)		
		Bowl	Head	Total
5" (125 mm)	240	2.0	3.0	5.0
10" (250 mm)	360	3.0	3.0	6.0
20" (500 mm)	607	5.0	3.0	8.0
30" (750 mm)	855	7.0	3.0	10.0

Dimensions are based on illustration shown.
For accurate dimensions, please contact Parker domnick hunter.



Ordering Information

HCL		01																	
Code Material		Code Length (Nominal)		Code Connection Size		Code Standard		Code Cartridge		Code Seal		Code Vent		Code Drain		Code Tagged			
22 AT	Alloy 22 ATEX	K 1 2 3	5" (125 mm) 10" (250 mm) 20" (500 mm) 30" (750 mm)	B* Y+	1" (33.4 mm) 1 1/2" (38.1 mm)	B F ⁽¹⁾ H ⁽¹⁾ L ⁽¹⁾ N T	BSPP (F) ANSI RF150 ANSI RF 300 BS4504 DIN2633 NPT (F) 1 1/2" Tri-Clamp	C	226 (Fabricated Head)	E P S V	EPDM PTFE Silicone Viton	B N	1/4" BSPP 1/4" NPT	B N	1/4" BSPP 1/4" NPT		T X	Yes No	
				* Nominal Bore + Tri-Clamp Only		⁽¹⁾ Loose stainless steel 316 Lab Joint Flange													
Code Surface Finish				Internal		External													
E I	Electropolished Standard			Electropolished As Welded		0.8 µm 0.8 µm													

For Tagged Options customer identification numbers required at time of ordering