Demi HSI⊕ Filter Housing

- in-line sanitary liquid

Parker domnick hunter

- In-line sanitary liquid housing
- Available in 3 different housing classes: Atex, CE and High Pressure
- Both beverage and pharmaceutical surface finishes available
- Sampling and drain port options



Specification

Materials of Construction

- Housing: 316L Stainless Steel
- Seals: EPDM FDA
  PTFE FDA
  Silicone FDA
  Viton FDA

Surface Finish Options

- Beverage Finish
  Internal: Polished 0.4 µm Ra
  External: Polished 0.25 µm Ra

- Pharmaceutical Finish
  Internal: Polished 0.4 µm Ra and Electropolished
  External: Polished 0.25 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	01A	01B
Non Dangerous & Dangerous	Gas / Vapour & Liquid	135 °C (275 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
PED Conformity Assessment Category			SEP	SEP
Volume (litres)			0.75	0.50

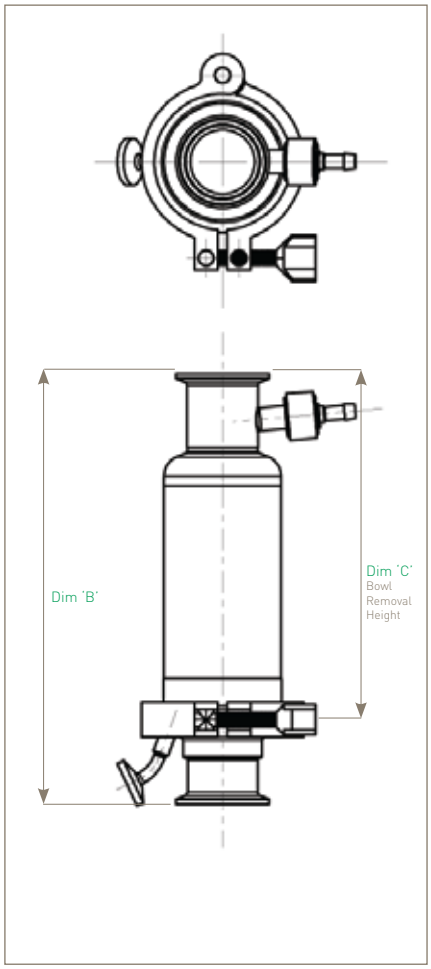
CE Working Condition PED 97/23/EC			Maximum Pressure	
Fluid Group	State	Temperature	01A	01B
Non Dangerous & Dangerous	Gas / Vapour & Liquid	150 °C (302 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
PED Conformity Assessment Category			SEP	SEP
Volume (litres)			0.75	0.50

High Pressure Working Condition PED 97/23/EC			Maximum Pressure	
Fluid Group	State	Temperature	01A	01B
Non Dangerous	Gas / Vapour Liquid	205 °C (401 °F)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)
PED Conformity Assessment Category			SEP	SEP
Volume (litres)			0.75	0.50

Physical Characteristics

Bowl Height	Dimensions (mm) 'B'	'C'	Typical Weight (Kg)
A Size 5" (125 mm)	235	130	1.0
B Size 2 1/2" (65 mm)	179	70	0.9

Dimensions are based on illustration shown (HSICE01YTTE-HH-P-X).
For accurate dimensions, please contact Parker domnick hunter.




ATEX Components

Ordering Information

HSI [ ] 01 [ ] [ ] [ ] [ ] [ ] [ ] - [ ] [ ] - [ ] - [ ]

Code	Vessel Class
AT	ATEX
CE	Standard
HP	High Pressure

Code	Length (Nominal)
A	5" (125 mm)
B	2 1/2" (65 mm)

Code	Connection Size
Y	1 1/2"

Code	Standard
T	Tri-Clamp

Code	Cartridge
T	126

Code	Seal
E	EPDM
P*	PTFE
S	Silicone
V	Viton

** Double bolted clamp required*

Code	Vent
H[1]	1 1/2" TCF & Hosebarb
I [1]	1 1/2" TCF & Staubli RBE03
M [1]	1 1/2" TCF & 1/2" TCF
R [1]	1 1/2" TCF & Rectus 21
X	No Vent

[1] Vent is part of inlet connection

Code	Drain
H	Hosebarb
R	Rectus 21
S	Staubli RBE03
T	1/2" TCF
X	No Drain

Code	Surface Finish	Internal	External
B	Beverage	0.4 µm	0.25 µm
P	Pharmaceutical	0.4 µm EP	0.25 µm

Code	Tagged
T	Yes
X	No

For Tagged Options customer identification numbers required at time of ordering

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

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