Demi HBA Filter Housing

• industrial and beverage air / gas





- Flow efficient range of air / gas housings
- Available in 4 different housing classes:
 Atex, CE, High Pressure and Oxygen Service
- Beverage, pharmaceutical and industrial surface finishes available
- A number of inlet / outlet port connections
- Wide range of vent and drain options



Specification

Materials of Construction

■ Housing: 316L Stainless Steel

■ Body Seal: EPDM FDA

PTFE FDA Silicone FDA Viton FDA

■ Vent / Drain Seal: PTFE FDA

Surface Finish Options

Industrial Finish

Internal: As Welded

Pickled & Passivated

External: Polished 0.8 µm Ra

Beverage Finish

 $\begin{array}{ll} \text{Internal:} & \text{Polished 0.4} \; \mu\text{m Ra} \\ \text{External:} & \text{Polished 0.25} \; \mu\text{m Ra} \end{array}$

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	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	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

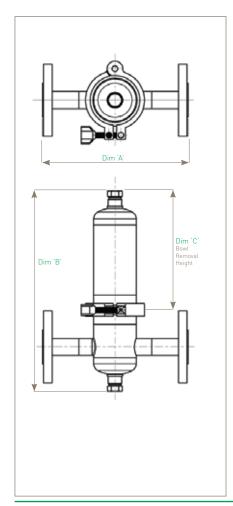
High Pressure Working Condition PED 97/23/EC		Maximum Pressure		
Fluid Group	State	Temperature	01A	01B
Non Dangerous	Gas / Vapour	205 °C (401 °F)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)
PED Conformity Assessment Category			SEP	SEP
Volume (litres)			0.75	0.50

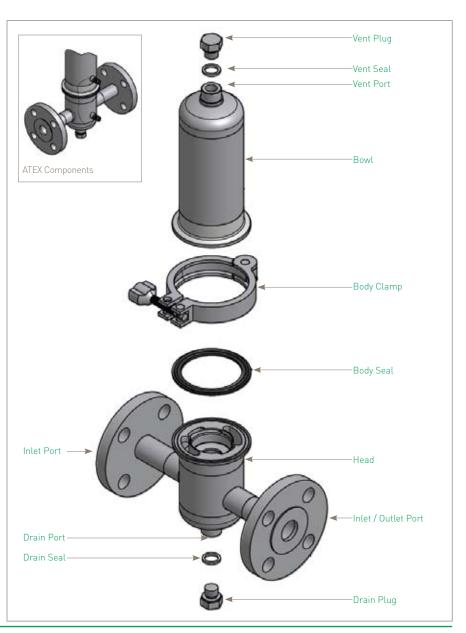
Oxygen Service Working Condition PED 97/23/EC		Maximum Pressure		
Fluid Group	State	Temperature	01A	01B
Dangerous	Gas / Vapour	150 °C (302 °F)	10.00 barg (145.03 psig)	10.00 barg (145.03 psig)
PED Conformity Assessment Category		SEP	SEP	
Volume (litres)			0.75	0.50

Physical Characteristics

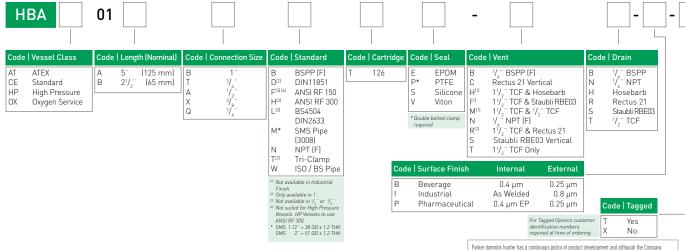
Bowl Height	Dimensions (mm) 'A' 'B' 'C'			Typical Weight (Kg)
A Size 5" (125 mm)	220	300	130	1.5
B Size 21/2 (65 mm)	220	245	70	1.4

Dimensions are based on illustration shown (HBACE01ABFTE-BB-P-X). For accurate dimensions, please contact Parker domnick hunter.









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.