



HBA⊕ Filter Housing

- industrial 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
- Seals: EPDM FDA
PTFE FDA
Silicone FDA
Viton FDA

Surface Finish

- Industrial Finish
 - Internal: As Welded
Pickled & Passivated
 - External: Polished 0.8 µm Ra
- 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	01K	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)	10.00 barg (145.03 psig)
Dangerous	Gas / Vapour	135 °C [275 °F]	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	6.60 barg (95.72 psig)	5.30 barg (76.87 psig)
PED Conformity Assessment Category			SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			2.5	3.7	5.6	7.5	9.4

CE Working Condition PED 97/23/EC			Maximum Pressure				
Fluid Group	State	Temperature	01K	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)	10.00 barg (145.03 psig)
Dangerous	Gas / Vapour	150 °C [302 °F]	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	6.60 barg (95.72 psig)	5.30 barg (76.87 psig)
PED Conformity Assessment Category			SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			2.5	3.7	5.6	7.5	9.4

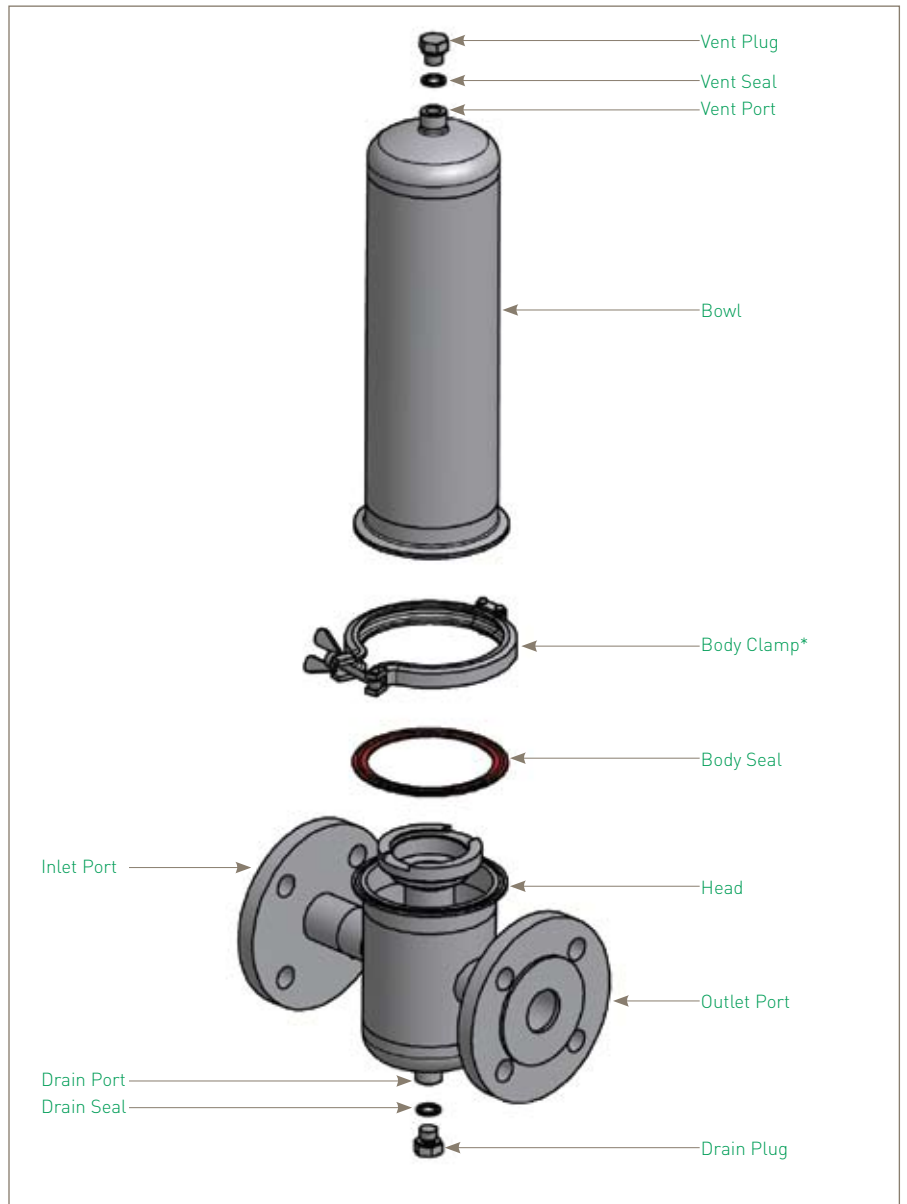
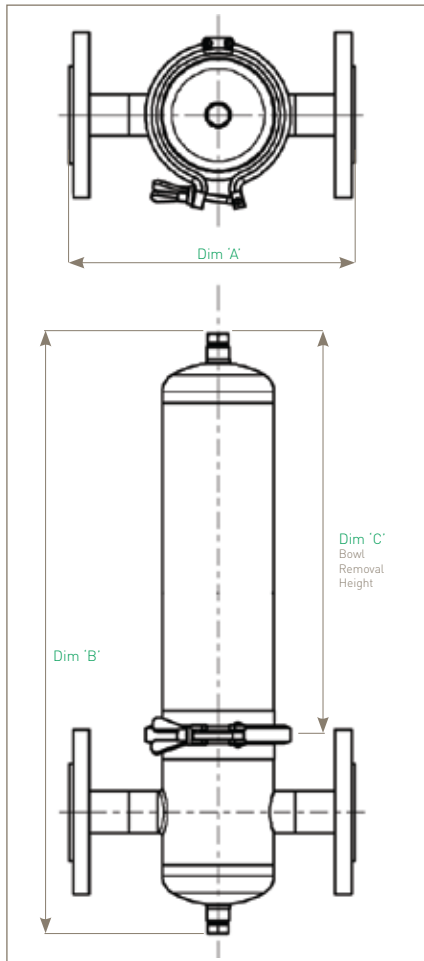
High Pressure Working Condition PED 97/23/EC			Maximum Pressure				
Fluid Group	State	Temperature	01K	011	012	013	014
Non Dangerous	Gas / Vapour	205 °C [401 °F]	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)
PED Conformity Assessment Category			SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			2.5	3.7	5.6	7.5	9.4

Oxygen Service Working Condition PED 97/23/EC			Maximum Pressure				
Fluid Group	State	Temperature	01K	011	012	013	014
Dangerous	Gas / Vapour	150 °C [302 °F]	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	6.60 barg (95.72 psig)	5.30 barg (76.87 psig)
PED Conformity Assessment Category			SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			2.5	3.7	5.6	7.5	9.4

Physical Characteristics

Bowl Height	Dimensions (mm)			Typical Weight (Kg)		
	'A'	'B'	'C'	Bowl	Head	Total
5" (125 mm)	259	398	223	1.0	5.4	7.0
10" (250 mm)	259	548	342	1.6	5.4	7.6
20" (500 mm)	259	798	590	2.6	5.4	8.6
30" (750 mm)	259	1043	838	3.6	5.4	9.6
40" (1000 mm)	259	1293	1068	4.6	5.4	10.6

Dimensions shown are for a vessel with 1 1/2" BS4504 DIN2633 ports, 1/4" BSPP vent and drain. For other formats, please contact Parker dominick hunter.



*Double bolted clamp required for HP and PTFE seal options

Ordering Information

HBA 01 -

Code Vessel Class		Code Length (Nominal)		Code Connection Size		Code Standard		Code Cartridge		Code Seal		Code Vent		Code Drain	
AT	ATEX	K	5" (125 mm)	Y	1 1/2" (38.1 mm)	B	BSPP (F)	C	226	E	EPDM	B	1 1/2" BSPP (F)	B	G 1/4" BSPP
CE	Standard	1	10" (250 mm)	C	2" (50.8 mm)	D	DIN11851(M)			P*	PTFE	C	Rectus 21 Vertical ⁽²⁾	N	G 1/4" NPT
HP*	High Pressure	2	20" (500 mm)			F	ANSI RF 150 ⁽¹⁾			S	Silicone	H	1 1/2" TCF & Hosebarb ⁽²⁾	H	Hosebarb
OX	Oxygen Service	3	30" (750 mm)			H	ANSI RF 300			V	Viton	I	1 1/2" TCF & Staubli RBE03 ⁽²⁾	R	Rectus 21
		4	40" (1000 mm)			L	BS4504					M	1 1/2" TCF & 1/2" TCF ⁽²⁾	S	Staubli RBE03
							DIN2633					N	1/4" NPT (F)	T	1/2" TCF
						N	NPT (F)								
						M*	SMS Pipe (3008)								
						T	Tri-Clamp								
						W	ISO / BS Pipe								

Code Surface Finish		Internal	External
B	Beverage	0.4 µm	0.25 µm
I	Industrial	As Welded	0.8 µm
P	Pharmaceutical	0.4 µm EP	0.25 µm

Code Tagged	
T	Yes
X	No

* Supplied complete with a double bolted clamp

* Double bolted clamp required

⁽²⁾ Not available in Industrial Finish.

⁽¹⁾ Not suited for High Pressure Vessels. HP Vessels to use ANSI RF 300.
 * SMS 1.12" = 38.00 x 1.2 THK
 SMS 2" = 51.00 x 1.2 THK

For Tagged Options customer identification numbers required at time of ordering

Parker dominick 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.