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

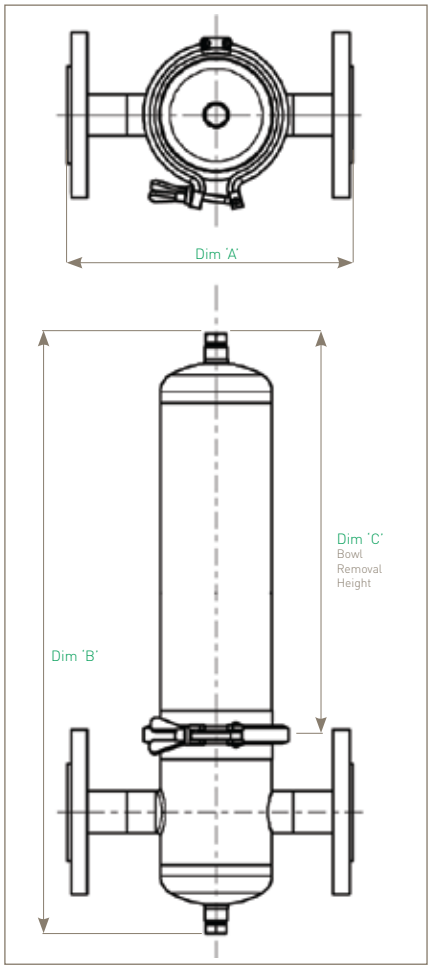
High Pressure Working Condition PED 97/23/EC			Maximum Pressure				
Fluid Group	State	Temperature	01K	011	012	013	014
Non Dangerous	Gas / Vapour	205 °C (401 °F)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)	16.00 barg (232.06 psig)
PED Conformity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

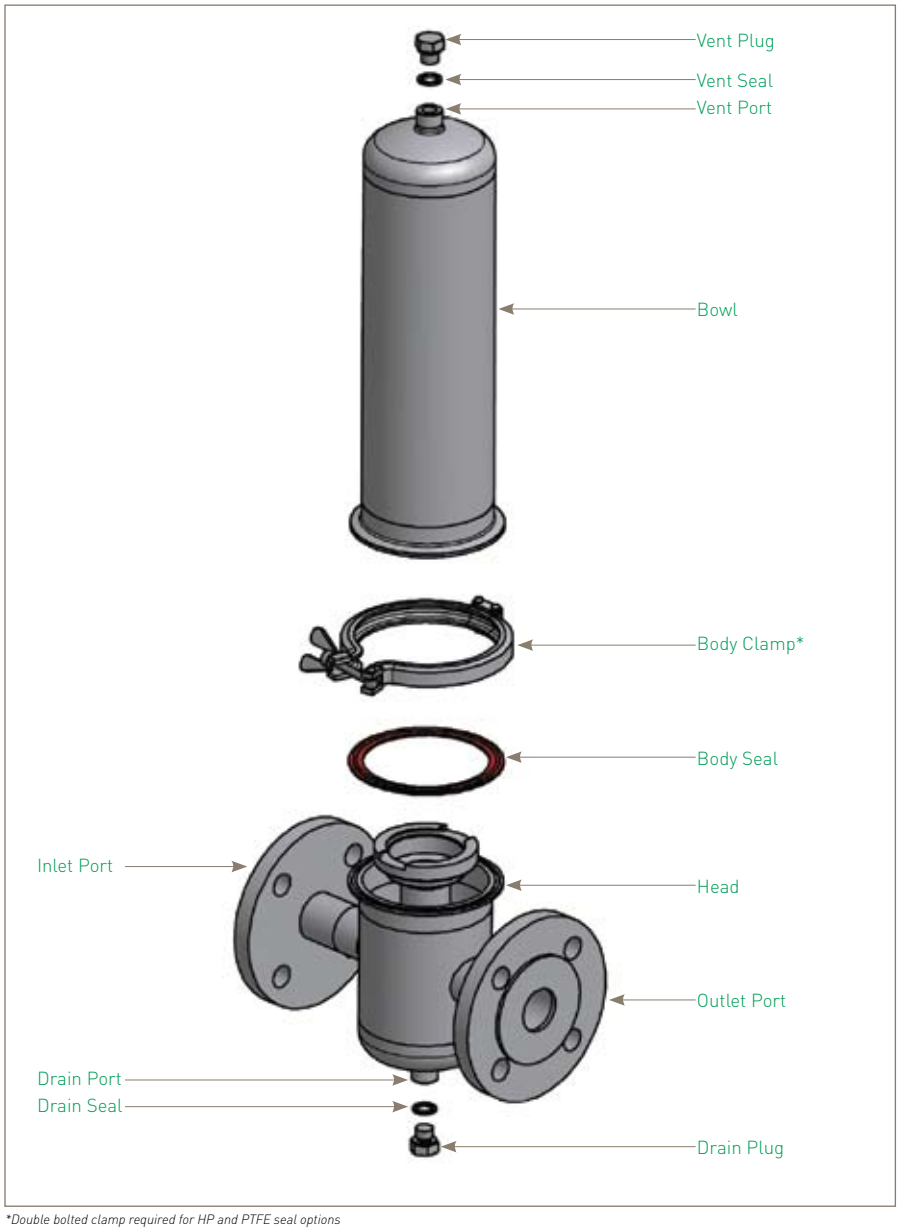
Oxygen Service Working Condition PED 97/23/EC			Maximum Pressure				
Fluid Group	State	Temperature	01K	011	012	013	014
Dangerous	Gas / Vapour	150 °C (302 °F)	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	8.00 barg (116.03 psig)	6.60 barg (95.72 psig)	5.30 barg (76.87 psig)
PED Conformity Assessment 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) 'A'	'B'	'C'	Typical Weight (Kg) 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 domnick hunter.





**Double bolted clamp required for HP and PTFE seal options*

Ordering Information

HBA [ ] 01 [ ] [ ] [ ] [ ] [ ] - [ ] [ ] - [ ] - [ ]

Code	Vessel Class
AT	ATEX
CE	Standard
HP*	High Pressure
OX	Oxygen Service

** Supplied complete with a double bolted clamp*

Code	Length (Nominal)
K	5" (125 mm)
1	10" (250 mm)
2	20" (500 mm)
3	30" (750 mm)
4	40" (1000 mm)

Code	Connection Size
Y	1 1/2" (38.1 mm)
C	2" (50.8 mm)

Code	Standard
B	BSPP (F)
D	DIN11851(M)
F	ANSI RF 150[1]
H	ANSI RF 300
L	BS4504 DIN2633
N	NPT (F)
M*	SMS Pipe (3008)
T	Tri-Clamp
W	ISO / BS Pipe

[1] Not suited for High Pressure Vessels. HP Vessels to use ANSI RF 300.
** SMS 1.12" = 38 OD x 1.2 THK*
SMS 2" = 51 OD x 1.2 THK

Code	Cartridge
C	226

Code	Seal
E	EPDM
P*	PTFE
S	Silicone
V	Viton

** Double bolted clamp required*

Code	Vent
B	1/4" BSPP (F)
C	Rectus 21 Vertical[2]
H	1 1/2" TCF & Hosebarb[2]
I	1 1/2" TCF & Staubli RBE03[2]
M	1 1/2" TCF & 1/2" TCF[2]
N	1/4" NPT (F)
R	1 1/2" TCF & Rectus 21[2]
S	Staubli RBE03 Vertical
T	1 1/2" TCF Only [2]

[2] Not available in Industrial Finish.

Code	Drain
B	G1/4" BSPP
N	G1/4" NPT
H	Hosebarb
R	Rectus 21
S	Staubli RBE03
T	1/2" TCF

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

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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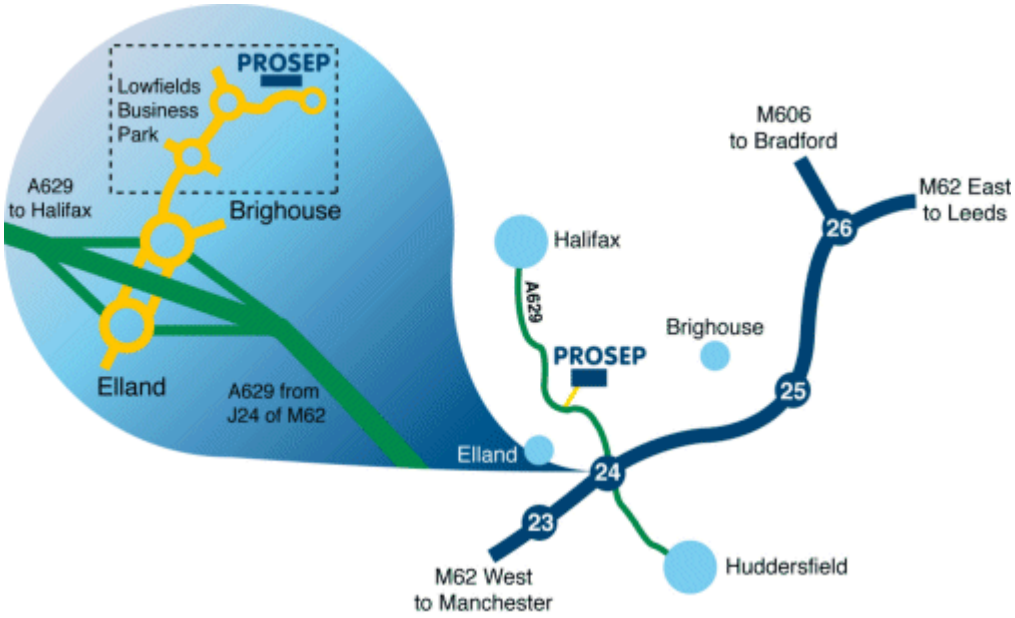
Map and Directions to Prosep Filters Limited



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