

HBA Filter Housings

Air / Gas Filtration



- Flow efficient range of air / gas housings
- Demi (TRUESEAL) and K-40[™] (226) housing sizes
- Designed to maximize flow and minimize pressure drop
- Designed specifically for the food and beverage industry
- STANDARD product
 - Economy and short delivery lead times
- PLUS product
 - Available in 4 different vessel classes: Standard CE, ATEX, High Pressure and Oxygen Service
 - Standard, sanitary and sanitary electropolished surface finishes available
 - A number of inlet / outlet port connections
 - Wide range of vent and drain options

Specification

STANDARD Range

Materials of Construction

Housing:	316L Stainless Steel
Seals:	Silicone FDA
Vent / Drain Seals:	PTFE FDA
Clamps:	304 Stainless Steel

Standard Surface Finish

Internal:	As welded
External:	Polished 0.8 µm Ra (32 µln Ra)

All finishes pickled and passivated.

PLUS Range

Materials of Construction

Housing:	316L Stainless Steel
Body Seals:	Viton [™] / FKM FDA EPDM FDA PTFE FDA Silicone FDA
Clamps:	304 Stainless Steel

Surface Finish

Parker domnick hunter's PLUS range of filter housings are available in a wide range of surface finishes and options. Please see product coding.

Welding

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

Certification

Supplied as standard with vessel inspection certificate.

Material Test Certification

EN10204 3.1 supplied upon request.

Directives

Housings designed in accordance with the European Council Pressure Equipment Directive (PED). ATEX (where applicable).

Design Basis

ASME VIII Division 1.

Approvals

EAC 010-2011, (No. TC N RU D-GB. AИ01.B.00511)
Approval type: Import Certificate, TR CU Pressure Equipment (available on request).



STANDARD Range

Working Condition PED			Maximum Pressure				
Fluid Group	State	Temperature	01A	01B	01K	011	012
Non Dangerous	Gas / Vapour	150 °C (302 °F)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)
Dangerous	Gas / Vapour	150 °C (302 °F)	10 barg (145 psig)	10 barg (145 psig)	5 barg (73 psig)	5 barg (73 psig)	5 barg (73 psig)
PED Conformity Assessment Category			SEP	SEP	SEP	SEP	CAT I
Volume (litres)			0.75	0.5	2.5	3.7	5.6

PLUS Range

Working Condition PED			Maximum Pressure						
Fluid Group	State	Temperature	01A	01B	01K	011	012	013	014
Non Dangerous	Gas / Vapour	150 °C (302 °F)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)
Dangerous	Gas / Vapour	150 °C (302 °F)	10 barg (145 psig)	10 barg (145 psig)	8 barg (116 psig)	8 barg (116 psig)	8 barg (116 psig)	6.6 barg (95 psig)	5 barg (73 psig)
PED Conformity Assessment Category			SEP	SEP	SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			0.75	0.5	2.5	3.7	5.6	7.5	9.4

Working Condition PED			Maximum Pressure						
Fluid Group	State	Temperature	01A	01B	01K	011	012	013	014
Non Dangerous	Gas / Vapour	135 °C (275 °F)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)
Dangerous	Gas / Vapour	135 °C (275 °F)	8 barg (116 psig)	8 barg (116 psig)	8 barg (116 psig)	8 barg (116 psig)	8 barg (116 psig)	6.6 barg (95 psig)	5 barg (73 psig)
PED Conformity Assessment Category			SEP	SEP	SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			0.75	0.5	2.5	3.7	5.6	7.5	9.4

Working Condition PED			Maximum Pressure						
Fluid Group	State	Temperature	01A	01B	01K	011	012	013	014
Non Dangerous	Gas / Vapour	205 °C (401 °F)	16 barg (232 psig)	16 barg (232 psig)	16 barg (232 psig)	16 barg (232 psig)	16 barg (232 psig)	16 barg (232 psig)	16 barg (232 psig)
PED Conformity Assessment Category			SEP	SEP	SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			0.75	0.5	2.5	3.7	5.6	7.5	9.4

Working Condition PED			Maximum Pressure						
Fluid Group	State	Temperature	01A	01B	01K	011	012	013	014
Dangerous	Gas / Vapour	150 °C (302 °F)	10 barg (145 psig)	10 barg (145 psig)	8 barg (116 psig)	8 barg (116 psig)	8 barg (116 psig)	6.6 barg (95 psig)	5.3 barg (76 psig)
PED Conformity Assessment Category			SEP	SEP	SEP	CAT I	CAT I	CAT I	CAT I
Volume (litres)			0.75	0.5	2.5	3.7	5.6	7.5	9.4