

PHB Multi Filter Housing

Air / gas filtration



- Flow efficient range of air / gas housings
- Available in 3, 5, 8, 12, 19, 24 and 32 round in 10 to 40"
- Safety closure Vee Band clamp and Screw clamps supplied as standard
- Suitable for PED Group 2 gases
- Food Grade EC 1935/2004 compliance



Specifications

Materials of Construction

Housing: 316L/1.4404

Surface Finish

Internal Upstream: Pickled
Internal Downstream: Mechanical polishing <math><0.8\mu\text{m Ra}</math>
External: Shot peened

Cartridge Socket: C style (226)
Number of Cartridges: 3, 5, 8, 12, 19, 24, 32

Technical Design Data

Design Code: EN-13445
Certification: PED 2014/68/EU
PED Fluid Group: 2
PED Fluid State: Gas

Design Pressure: 5 bar @ 150°C
10 bar @ 150°C (16 bar @ 40°C)

Certification: Supplied as standard with IOMI and vessel inspection certificate

Dimensions

Vessel Model (Q)	Cartridge Length	Closure System	De (mm)	C (mm)	K (mm)	Connections DN max / max diameter (mm)	Total Volume (Litres)	PED Category	
								5 bar	10/16 bar
PHB031	03 x 10"	Vee clamp* / Screw clamp**	219	829	443	DN100 / 114.3mm	33	I	II
PHB032	03 x 20"			1079			42	II	II
PHB033	03 x 30"			1329			51	II	II
PHB034	03 x 40"			1579			60	II	II
PHB051	05 x 10"	Vee clamp* / Screw clamp**	273	875	511	DN125 / 139.7mm	46	II	II
PHB052	05 x 20"			1125			61	II	II
PHB053	05 x 30"			1375			75	II	III
PHB054	05 x 40"			1625			89	II	III
PHB081	08 x 10"	Screw clamp	320	935	515	DN125 / 139.7mm	59	II	II
PHB082	08 x 20"			1175			82	II	III
PHB083	08 x 30"			1425			101	II	III
PHB084	08 x 40"			1675			120	II	III
PHB121	12 x 10"	Screw clamp	400	1127	665	DN150 / 168.3mm	122	II	III
PHB122	12 x 20"			1377			156	II	III
PHB123	12 x 30"			1627			186	II	III
PHB124	12 x 40"			1877			217	III	IV
PHB191	19 x 10"	Screw clamp	400	1127	665	DIN150 / 168.3mm	133	II	III
PHB192	19 x 20"			1377			167	II	III
PHB193	19 x 30"			1627			201	III	IV
PHB194	19 x 40"			1877			228	III	IV
PHB241	24 x 10"	Screw clamp	500	1365	650	DN200 / 219.1mm	304	III	IV
PHB242	24 x 20"			1615			362	III	IV
PHB243	24 x 30"			1865			420	III	IV
PHB184	24 x 40"			2115			478	III	IV
PHB321	32 x 10"	Screw clamp	500	1365	650	DN200 / 219.1mm	304	III	IV
PHB322	32 x 20"			1615			362	III	IV
PHB323	32 x 30"			1865			420	III	IV
PHB324	32 x 40"			2115			478	III	IV

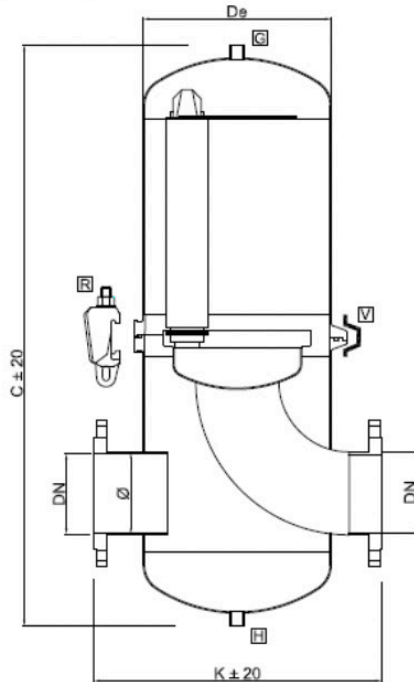
* For 3 and 5 round housings, Vee clamp is only possible at 5 bar design pressure. 3 and 5 round housings will come with screw clamp closure for 10/16 bar design pressure options.

** PED category is based on Group 2 Gas at design pressure of 5 bar.



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Dimensions



Ordering Information

PHB Gas Housing

Code	Cartridge Number
03	3 cartridges
05	5 cartridges
08	8 cartridges
12	12 cartridges
19	19 cartridges
24	24 cartridges
32	32 cartridges

Code	Closure	Available for:
V	V band	03, 05 (5 bar only)
S	Screw clamp	03, 05 (10/16 bar) 08, 12, 24 & 32 (5, 10/16 bar)

Code	Socket
7	C-style (226)

Code	Vent
8	0.5" BSP
9	1.0" BSP

Code	Internal Roughness (downstream only)
8	Ra<0.8 micron

Code	Specials
1	With plugs

PHB [X] [XX] [X] [X] [X] [X] [X] [X] [X] [X] [X] [XXXX] [X]

Code	Pressure rating
E	5 bar
6	10 bar

Code	Length [Nominal]
1	10" (250mm)
2	20" (500mm)
3	30" (750mm)

Code	Gasket Material
S	Silicone
E	EPDM
P	FEP enc. silicone

Code	Drain
8	0.5" BSPF
9	1.0" BSPF

Code	Finishing
A	Internal surfaces Upstream: Pickled Downstream: Mechanical Polishing External Surfaces: Shot Peened

Code	Connections	Available for
E100	Flanges EN1092-1 DN100	03
E125	Flanges EN1092-1 DN125	05, 08
E150	Flanges EN1092-1 DN150	12, 19
E200	Flanges EN1092-1 DN200	24, 32
W114	Butt weld Ø114.3	03
W139	Butt weld Ø139.7	05, 08
W168	Butt weld Ø168.3	12, 19
W219	Butt weld Ø219.1	24, 32



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