HIL Multi Filter Housings

• Industrial liquid



- Flow efficient range of multi element industrial liquid housings
- Designed specifically for prefiltration and clarification duties
- A number of inlet/outlet port connections
- Standard and electropolished surface finishes
- Suitable for cartridge types:
 DOE or 222 (10"to 40")
- Option for ATEX compliance directive 94/9/EC



Specification

Materials of Construction

316L Stainless Steel	
EPDM FDA	
Silicone FDA	
Viton FDA	
	EPDM FDA Silicone FDA

Clamps: 304 Stainless Steel

Two Finishes Available

As Welded
Pickled & Passivated
Polished 0.8 µm Ra (32 µIn Ra)

Electropolished Finish 'E'			
Internal:	As Welded		
	Electropolished		
External:	Electropolished 0.8 µm Ra (32 µIn Ra)		

Welding

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

Certification

Supplied as standard with vessel inspection certificate and EC Declaration of conformity.

Material Test Certification

EN10204 3.1/2.2 supplied 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.

PED / PER conformity assessments based on Fluid Group 2 (harmless) liquids and gases.

Design Basis

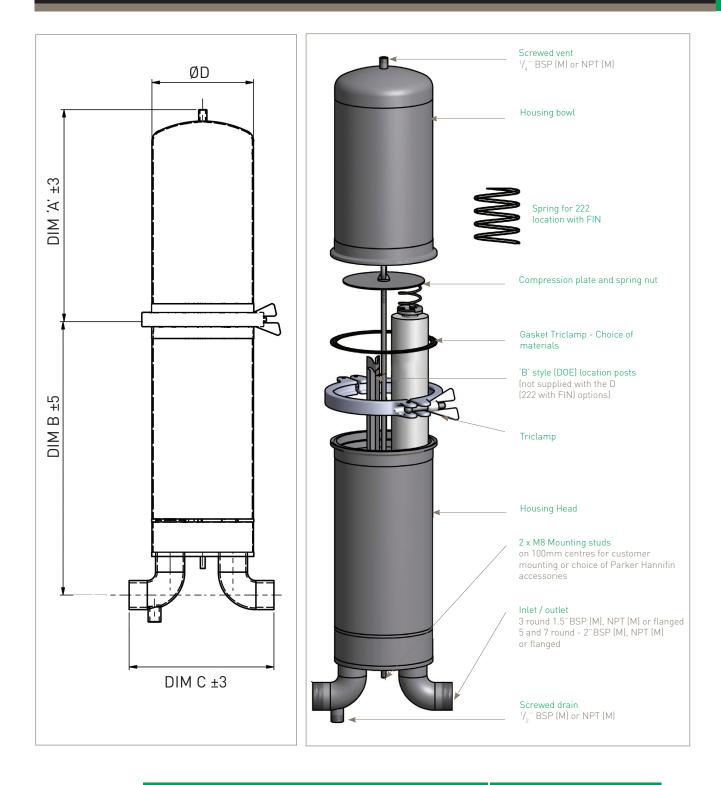
ASME VIII Division 1.

CE Worki	Maximum Pressure +FV				
Fluid Group	State	Temperature	3 Round	5/7 Round	8/10 Round
Non Dangerous	Liquid	-10 °C (14 °F)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)
Non Dangerous	Gas	to 150 °C (302 °F)	7.5 barg (108 psig)	4.0 barg (58 psig)	2.5 barg (36 psig)
PED C	CAT I	CAT I	CAT I		

ATEX Worki	Maximum Pressure +FV				
Fluid Group	State	Temperature	3 Round	5/7 Round	8/10 Round
Non Dangerous	Liquid	-10 °C (14 °F)	10 barg (145 psig)	10 barg (145 psig)	10 barg (145 psig)
Non Dangerous	Gas	to 135 °C (275 °F)	7.5 barg (108 psig)	4.0 barg (58 psig)	2.5 barg (36 psig)
PED C	onformity Assess	CAT I	CAT I	CAT I	

Note: All housings are full vacuum rated.

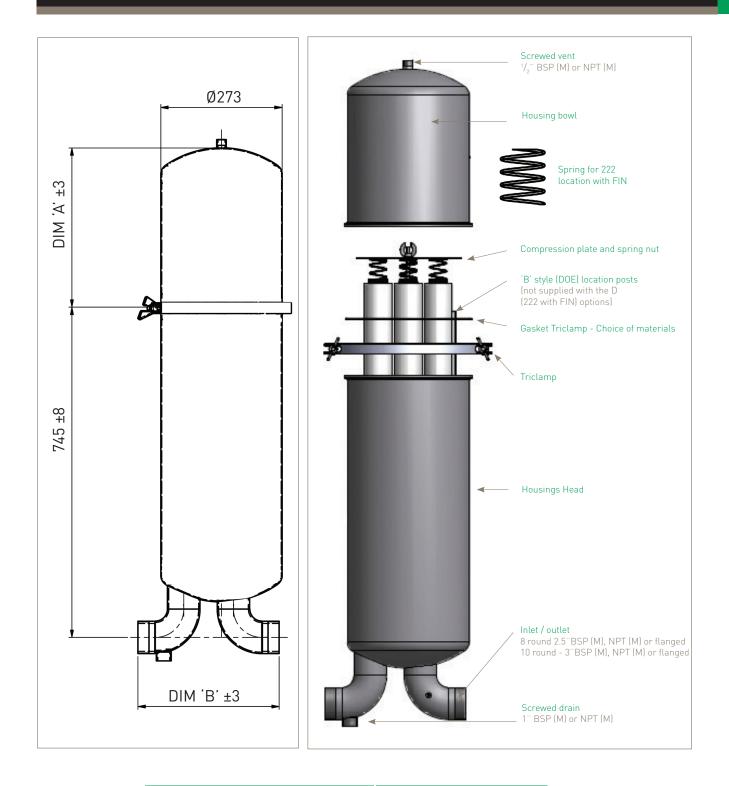
HIL Multi 3, 5 and 7 Round Filter Housings



			Dimensions					Approximate weight and volume		
		A'			C'		. D,	BOWL	TOTAL	VOLUME
			Β'	BSP (M)	NPT (M)	FLANGED	U	BOWL	(Threaded version only)	VOLUME
3 ROUND	10" 20" 30" 40"	101 mm (4.0 in) 348 mm (13.7 in) 598 mm (23.5 in) 848 mm (33.4 in)	455 mm (17.9 in)	230 mm (9 in)	230 mm (9 in)	294 mm (11.6 in)	168 mm (6.6 in)	2.0 kg (4.4 lbs) 4.0 kg (8.8 lbs) 6.0 kg (13.2 lbs) 8.0 kg (17.6 lbs)	8.9 kg (21.0 lbs) 11.0 kg (24.0 lbs) 13.1 kg (29.9 lbs) 15.2 kg (33.5 lbs)	10.4 L (2.75 USg) 15.7 L (4.15 USg) 21.0 L (5.5 USg) 26.3 L (6.8 USg)
5 & 7 ROUND	10" 20" 30" 40"	109 mm (4.3 in) 360 mm (14.2 in) 610 mm (24.0 in) 860 mm (33.9 in)	468 mm (17.7 in)	296 mm (11.7 in)	296 mm [11.7 in]	347 mm (13.7 in)	219 mm (8.6 in)	1.6 kg (3.5 lbs) 4.4 kg (9.7 lbs) 7.1 kg (15.6 lbs) 9.8 kg (21.6 lbs)	12.9 kg [28.0 lbs] 15.7 kg (35.0 lbs) 18.4 kg (41.0 lbs) 21.1 kg (46.5 lbs)	18.0 L (4.6 USg) 27.0 L (7.0 USg) 36.0 L (9.3 USg) 45.0 L (11.7 USg)

Refer to coding structure for configuration options.

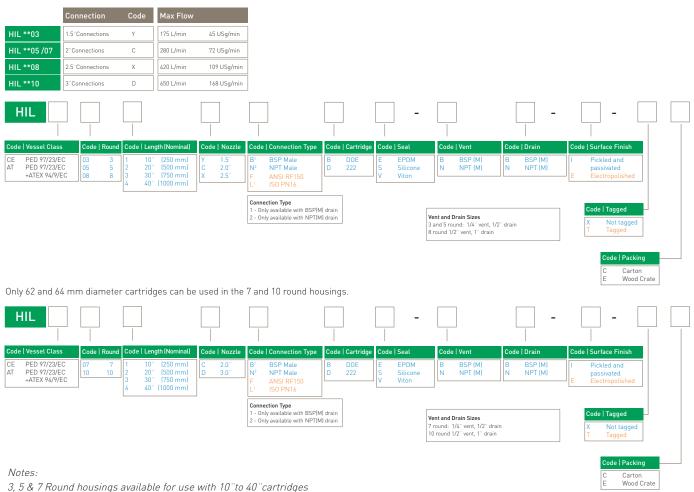
HIL Multi 8 and 10 Round Filter Housings



		Dimensions				Approxi	mate weight and	volume
		A'		B'		BOWL	TOTAL (Threaded	VOLUME
			BSP (M) NPT (M)		FLANGED	DOWL	version only)	VOLOME
8 ROUND	20" 30" 40"	107 mm (4.2 in) 357 mm (14 in) 607 mm (24 in)	316 mm (12.4 in)	332 mm (13.1 in)	356 mm (14 in)	2.2 kg (5.0 lbs) 5.7 kg (12.5 lbs) 9.0 kg (20 lbs)	20.0 kg (44.0 lbs) 23.5 kg (52.0 lbs) 27.0 kg (60.0 lbs)	42.0 L (11.1 USg) 56.0 L (14.8 USg) 69.0 L (18.2 USg)
10 ROUND	20" 30" 40"	107 mm (4.2 in) 357 mm (14 in) 607 mm (24.0 in)	410 mm (16.1 in)	410 mm (16.1 in)	382 mm (15 in)	2.2 kg (5.0 lbs) 5.6 kg (12.3 lbs) 9.0 kg (20 lbs)	22.2 kg (49.0 lbs) 25.6 kg (56.4 lbs) 29.0 kg (63.9 lbs)	45.0 L (11.9 USg) 59.3 L (15.7 USg) 73.5 L (19.4 USg)

Refer to coding structure for configuration options.

Product coding



8 & 10 Round housings available for use with 20" to 40" cartridges

Delivery schedules (excluding shipping)

Blue Options - 2-3 working weeks Orange Options - 4-5 working weeks

Accessories

Adjustable legs. Accessory Kit 3 round 639504203 (XLGSS12IL1) 5 & 7 round 639504204 (XLGSS12IL2) 8 & 10 round 639504205 (XLGSS13IL1) Adjustable legs giving centre to floor height adjustment between 50 and 375 mm for 3,5 and 7 round and 50-30 mm for 8 and 10 round. (clearance required for drain)

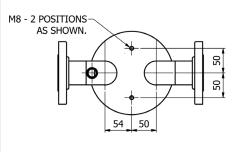
Fixed legs. Accessory Kit 3, 5 and 7 round only 639504206 (XLGSS12IL3)

Fixed base support for M8 mounting studs giving centre to floor height of 230 mm. Vessel to be properly supported on the pipework as close as possible to the inlet/outlet.

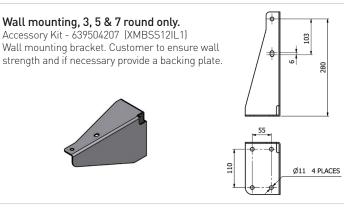


Wall mounting, 3, 5 & 7 round only. Accessory Kit - 639504207 (XMBSS12IL1) Customer mounting, 3, 5 & 7 round only.

Two M8 mounting studs are provided as shown to allow the customer to custom mount the housing as they require, alternatively we provide accessories shown.



Note A Gap available for 50 mm (2 in) wide support.



	HIL Pressure Gauge						
Туре	Connection	Pressure	Ordering Code				
All stainless steel wetted parts with glycerine fill fluid (includes adapter for assembly to	1/4 / 1/2 BSP	0 - 10 barg	639504201 (XPGSS03BS01)				
housing. Also includes adaptor for connecting vent valve ('/4" BSP(F) / '/4" NPT (F))	1/4" / 1/2" NPT	0 - 10 barg	639504202 (XPGSS03NP01)				



35)	
NP)	
35)	
NP)	
35)	

Туре	Connection	Ordering Code
	1/, BSP	639500261 (XVASS03BS)
	1/, NPT	639500260 (XVASS03NP)
316 stainless steel 1 piece ball valve with PTFE ball. Male / female.	1/2" BSP	639500271 (XVASS04BS)
	1/2" NPT	639500270 (XVASS04NP)
	1" BSP	639500272 (XVASS05BS)
	1" NPT	639503248 (XVASS05NP)

Industrial 1 Piece Ball Valve

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