



LV1SS

Single cartridge filter housings



Standard filter housings designed for industrial multi-purpose applications, LV1SS are reliable and consistent.

Main features

- 316 ss precision cast head
- Head-bowl coupling by means of a quick release vee-clamp, cartridge and head sealing are independent
- Three different cartridge configurations, A1, P8, P7
- Four possible filter element nominal length 10", 20", 30", 40"
- Stainless steel bowl mechanically polished outside
- 1" BSP IN-OUT port size

Applications

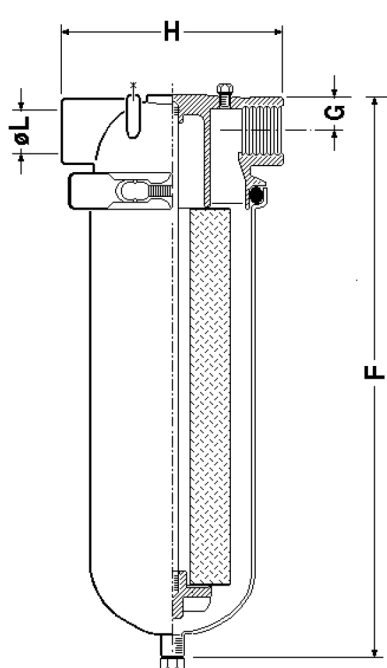
- All fluids chemically compatible with 316 ss

HOUSING CODE SELECTION

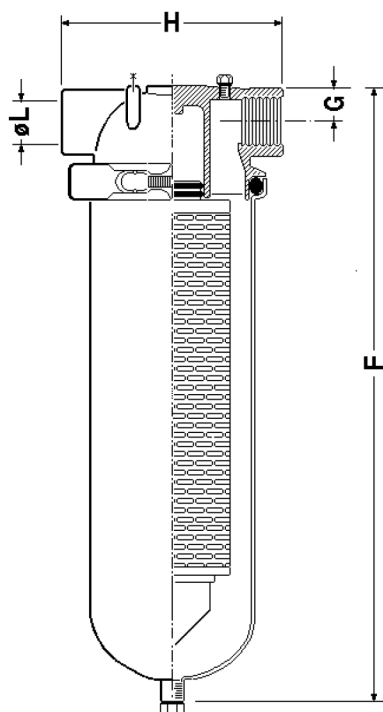
Single cartridge filter housings	Filter head material	Filter bowl material	Cartridge length	IN-OUT ports	IN-OUT port size	Cartridge configuration	Bowl surface finish
series = LV1	AISI 316= S	AISI 316 = S	10" = 1 20" = 2 30" = 3 40" = 4	BSP = E Flanged BSP = F Flanged ANSI = A	1" = 25	DOE = A1 OR 222 = P8 OR 226 = P7	Mechanically polished = L
LV1	S	S	2	E	25	P8	L

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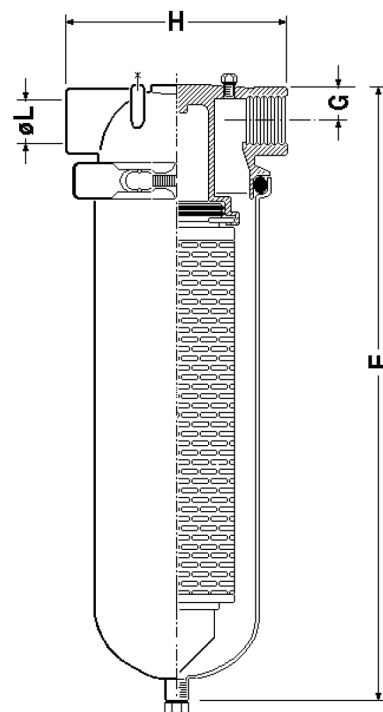
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Configuration "A1"



Configuration "P8"



Configuration "P7"

Table 1

Table 1							according to 97/23/EC directive art. 3.3 "sound engineering practice"			
Model	Cartridge nominal length	Dimensions mm			IN-OUT PORTS øL	Internal volume litres	liquids		gas	
		F	H	G			dangerous PSx V=200	others PSx V=10000	dangerous PSx V=25	others PSx V=50
	LV1S S1 E 25 L...	250 mm (10")	427	110	23	ø 1" BSP	2,14	10 bar	10 bar	FOR GAS FILTRATION LD1 SERIES IS RECOMMENDED
	LV1S S2 E 25 L...	500 mm (20")	680				3,58	10 bar	10 bar	
	LV1S S3 E 25 L...	750 mm (30")	934				5,02	10 bar	10 bar	
	LV1S S4 E 25 L...	1000 mm (40")	1188				6,46	10 bar	10 bar	

Max operating pressure

According to the European Directive 97/23/CE "PED", our LV1 filter housings are manufactured under the so called "Sound Engineering Practice". All LV1 series filter housings are in accordance with the directive for liquids belonging to group 1 and group 2 up to the max pressure of 10 bar. The applications of LV1 filter housings in gas service is not recommended.

Definitions: Liquid = a liquid with a vapour tension < 0,5 bar at working temperature
Gas = a gas or a liquid with vapour tension > 0,5 bar at working temperature

Group 1 comprises fluids defined as: - explosive, - extremely flammable, - highly flammable, - flammable (where the maximum allowable temperature is above flashpoint), - very toxic, - toxic, - oxidizing.
Group 2 comprises all other fluids not referred to Group 1 (i.e – water, air, nitrogen)

Max operating temperature: In function of the gasket material

According to the directive 97/23/CE each housing is provided with Instruction Handbook and Filterflo declaration of compliance.

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