



# 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

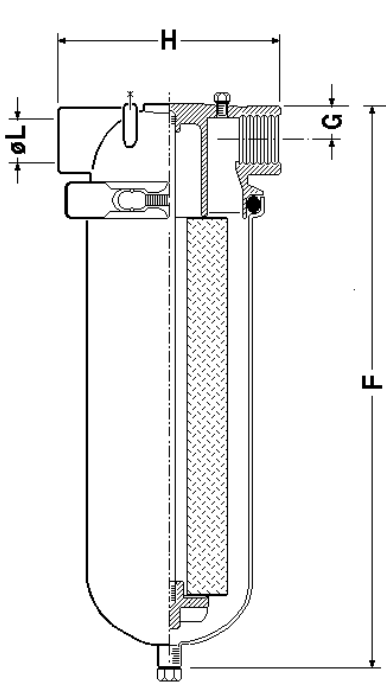
### Applications

- All fluids chemically compatible with 316 ss

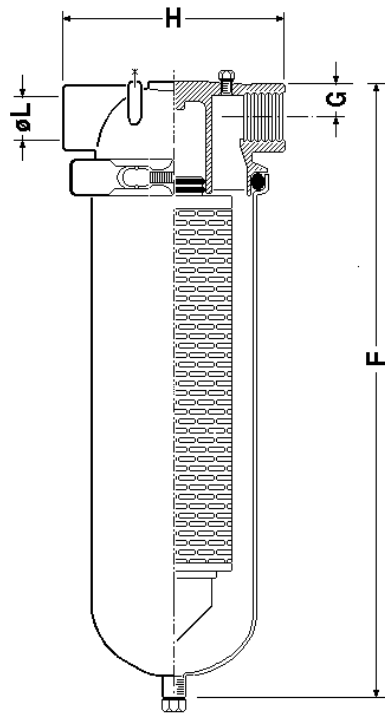
### HOUSING CODE SELECTION

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
<b>LV1</b>	<b>S</b>	<b>S</b>	<b>2</b>	<b>E</b>	<b>25</b>	<b>P8</b>	<b>L</b>

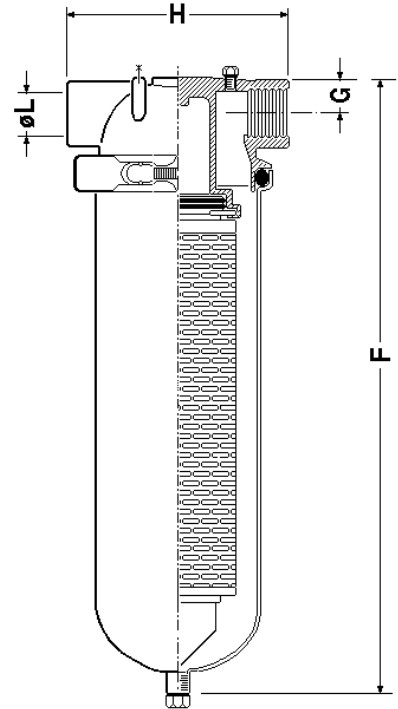
# LV1SS



Configuration "A1"



Configuration "P8"



Configuration "P7"

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.

**Defintions:** 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.

All data correct at time of going to press. Filterflo reserves the right to modify data without prior notice



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