

Main applications

Food & beverage
Speciality Chemical
Water
Cosmetics / Healthcare
Pharmaceutical

Characteristics

- Designed in accordance with EN 13445 code.
- Materials in contact with fluids: 316L-SS.
- Mechanically polished surfaces.
- Available from 1 up to 30 cartridges:
 - 1, 3, 5 e 8 cartridges: V-Clamp closure
 - 12, 18, 24 e 30 cartridges: Rathmann bolts closure.
- Suitable for cod.7 cartridges, height from 10" to 40".
- Different cartridge connections as option.
- Designed to avoid bacteriological deposit.
- Minimal dead volume.
- Suitable for SIP (in site sterilization).
- Compliant with 2014/68/UE PED Directive.
- Compliant with 2014/34/UE ATEX Directive.
- Suitable for not dangerous liquids Gr.2.
- In-line in/out connections on the filter bottom:
 - TriClover ASME BPE or DIN 11851 as standard
 - ASME o EN flanges as option
- Standard base/bowl sealing with Silicone O-ring.
- 100% hydraulically tested filters.



CHARACTERISTICS	
Base / Bowl	316L-SS
V-clamp	304-SS
Internals	316L-SS
Not wet external parts	304-SS
Gaskets	Silicone O-ring
Internal surface finishing	Mechanical polishing Ra < 0.8 µm (32 µin)
External surface finishing	Mechanical polishing
Design pressure	-1 ÷ 10 bar @ -20/40 °C or -1 ÷ 4 bar @ 150 °C
Design temperature	-20 ÷ 150 °C
ATEX classification	II 2 GD IIC

Dimensions

Model	Type	Cartridge qty	Dimensions [mm]									In/out
			A	B ₁	B ₂	C	D _{10"}	D _{20"}	D _{30"}	D _{40"}	E	
LVCPV01	1	1	101.6	188	269	375	790	1040	1290	1540	300÷1050	1"
LVCPV03	2	3	168	310	385	345	816	1065	1314	1564	290÷1040	1.1/2"
LVCPV05	2	5	219	378	445	315		1075	1325	1575	540÷1040	2"
LVCPV08	2	8	273	404	471	315		1096	1346	1596	540÷1040	2"
LVCPM12	3	12	350	493	573	326			1430	1680	790÷1040	2.1/2"
LVCPM18	3	18	400	509	589	325			1450	1700	790÷1040	2.1/2"
LVCPM24	3	24	450	563	643	318			1470	1720	790÷1040	2.1/2"
LVCPM30	3	30	550	685	765	292			1500	1750	790÷1040	3"

Dimensions valid for in/out connections type TC ASME BPE. Manufacturing tolerances: contact Asco Filtri.

B₁: in/out without drains. B₂: in/out with drains.

For different connection, contact Asco Filtri.

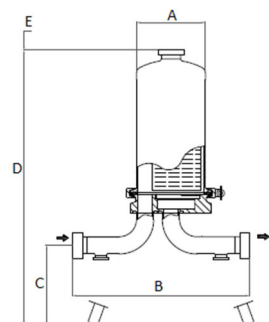
Standard vent and drains: 1.1/2" TC ASME BPE.

Model	Nr x H	Volume [lt]	Cat. PED	Weight [kg]
LVCPV011	1 x 10"	3.0	4.3	7
LVCPV012	1 x 20"	4.8	4.3	8.2
LVCPV013	1 x 30"	6.7	I	9.4
LVCPV014	1 x 40"	8.6	I	10.6
LVCPV031	3 x 10"	7.3	I	17.4
LVCPV032	3 x 20"	12.6	I	19.4
LVCPV033	3 x 30"	17.8	I	21.4
LVCPV034	3 x 40"	23.1	II	23.4

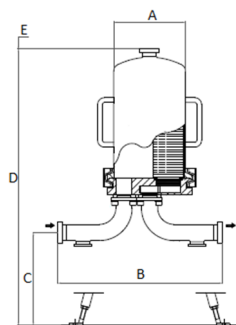
Model	Nr x H	Volume [lt]	Cat. PED	Weight [kg]
LVCPV052	5 x 20"	20	II	20
LVCPV053	5 x 30"	29.1	II	22
LVCPV054	5 x 40"	38.2	II	24
LVCPV082	8 x 20"	35.5	II	30
LVCPV083	8 x 30"	49.7	II	33
LVCPV084	8 x 40"	63.9	II	36

Model	Nr x H	Volume [lt]	Cat. PED	Weight [kg]
LVCM123	12 x 30"	88	II	66
LVCM124	12 x 40"	112	III	70
LVCPM183	18 x 30"	115	III	68
LVCPM184	18 x 40"	146	III	74

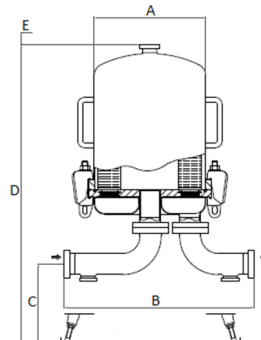
Model	Nr x H	Volume [lt]	Cat. PED	Weight [kg]
LVCM243	24 x 30"	151	III	105
LVCM244	24 x 40"	190	III	114
LVCPM303	30 x 30"	235	III	109
LVCPM304	30 x 40"	293	III	117



Type 1



Type 2



Type 3

Optional accessories

Internal mechanical polishing Ra < 0.4 µm (16 µin): only for 1, 3, 5, 8 rounds filters.

Internal electropolishing: all models.

Pressure gauge with sanitary valve, with or without sight glass.

Pressure gauge with separation diaphragm, sanitary valve and lateral sampling connections.

Pressure gauge with ball valve.

Pressure gauge with sight glass and two lateral ball valves.

In/out butterfly valves.

Sampling connections.

We reserve the right to change the data of this specification without notice.