

LT CP Series

Sanitary cartridge filters for liquids and gases
Heavy Duty design

Main applications

Specialty chemical
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 8 cartridges:
 - 1 cartridge: Heavy Duty V-Clamp with safety double bolt to prevent incidental opening
 - 3, 5, 8 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 liquids and gases Gr.1 and 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.

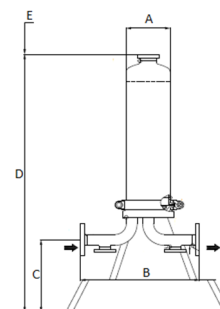


CHARACTERISTICS	
Base / Bowl	316L-SS
V-clamp	304-SS
Internals	316L-SS
Not wet external parts	304-SS
Gaskets	Silicone O-ring
Internal surface finishing	Mechanical polishing Ra < 0.8 µm (32 µin)
External surface finishing	Mechanical polishing
Design pressure	-1 ÷ 10 bar
Design temperature	-20 ÷ 150 °C
ATEX classification	II 2 G Ex h IIC T3 Gb / II 2 D Ex h IIIC 150°C Db

Dimensions

Model	Type	Cartridge qty	Dimensions [mm]										In/out	
			A	B ₁	B ₂	C	D _{5"}	D _{10"}	D _{20"}	D _{30"}	D _{40"}	E		
LTCPH01H	1	1	101.6	163	244	375	690						230	1"
LTCPH01	1	1	101.6	163	244	375		790	1040	1290	1540	300±1050		1"
LTCPM03	2	3	168	285	360	345		816	1065	1314	1564	290±1040		1.1/2"
LTCPM05	2	5	219	353	420	315			1078	1328	1578	540±1040		2"
LTCPM08	2	8	273	479	446	315			1096	1346	1596	540±1040		2"

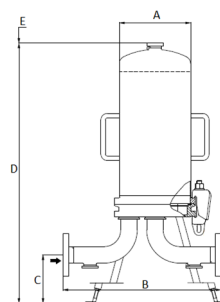
Dimensions valid for in/out connections type TC ASME BPE. Manufacturing tolerances: contact Asco Filtri.
 B₁: in/out without drains. B₂: in/out with drains.
 For different connection, contact Asco Filtri.
 Standard vent and drains: 1.1/2" TC ASME BPE.



Type 1

Model	Nr. x H	Volume [lt]	Cat. PED	Weight [kg]
LTCPH01H	1 x 5"	2.3	4.3	6.5
LTCPH011	1 x 10"	3.0	I	7
LTCPH012	1 x 20"	4.8	I	8
LTCPH013	1 x 30"	6.7	II	9
LTCPH014	1 x 40"	8.6	II	10
LTCPM031	3 x 10"	7.3	II	17.4
LTCPM032	3 x 20"	12.6	II	20.4
LTCPM033	3 x 30"	17.6	II	22.4
LTCPM034	3 x 40"	23.1	III	24.4

Model	Nr x H	Volume [lt]	Cat. PED	Weight [kg]
LTCPM052	5 x 20"	20	III	22
LTCPM053	5 x 30"	29.1	III	24
LTCPM054	5 x 40"	38.2	III	25
LTCPM082	8 x 20"	35.5	III	30
LTCPM083	8 x 30"	49.7	III	34
LTCPM084	8 x 40"	63.9	III	37



Type 2

Optional accessories

Internal mechanical polishing Ra < 0.4 µm (16 µin).

Internal electropolishing.

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.

Contact us for any further information.