

Stainless steel filter cartridge LT-SSMA

In general

SSMA stainless steel filter cartridges are suitable for use in a wide range of industries including pharmaceutical, process, water, petrochemical and steam. They find use where the operating environment requires the robustness of design provided by a fully welded cartridge and/or the resistance to aggressive fluids or high temperature of the stainless steel. The cartridges are available in both plain cylindrical and pleated design.

The cylindrical design provides a simple sleeve of filter medium around a support core. The pleated design uses a precision pleated pack around a support core to multiply the effective filtration area. In both designs, the filter media is TiG seam welded and the media, support core and end fittings are all fully TiG welded together. This method of construction guarantees cartridge integrity, eliminating the risk of bypass and the presence of extractables derived from bonding agents.

Features

- 100% stainless steel wire mesh
- Fully cleanable and re-useable
- Rigid perforated stainless steel core
- Rigid construction for high differential pressure
- Cylindrical or pleated design
- Fineness from 5µm – 1.000µm
- Absolute retention rates
- Temperature resistant up to 300°C
- Applicable for food and beverage industry
- Free of binders or adhesives
- Material SS304 (1.4301)



Cylindrical stainless steel cartridge

Applications

Please check the chemical resistance against your fluid as well as the applicability for your application before usage:

- Sieve filter for food and beverage industry
- Filtration of low viscosity fluids
- Pre-filter of DI & RO water filtration system for industry
- Filtration of water for manufacturing processes and recycled water
- Removal of Sediment from water in residential and light commercial applications
- Safety filter for inks, paints, varnish and glues



Pleated stainless steel cartridge

Data sheet

Filtration & Separation

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Technical data

Design	Length*	Inner Ø	Outer Ø	Micron rating	Filter area	Temperature	Differential pressure
Cylindrical	10" (254mm)	28 mm	65 mm	5 – 1000 µm absolute	500 cm ² /10"	max. 300°C	max. 10 bar
Pleated	20" (508mm)						
	30" (762mm)			5 – 500 µm absolute	1.500 cm ² /10"		max. 5 bar
40" (1016mm)							

*Special lengths available

Ordering information

LT-SSMA - 005 - C - E - 0 - 10					
Type	Fineness	Design	Sealing	Adapter	Length
LT-SSMA	005: 5 µm 010: 10 µm 025: 25 µm 050: 50 µm 075: 75 µm 100: 100 µm 200: 200 µm 300: 300 µm 400: 400 µm 500: 500 µm 600: 600 µm 700: 700 µm 800: 800 µm 900: 900 µm 1000: 1000µm	C: cylindrical P: Pleated	E: EPDM N: Buna S: Silicone V: Viton T: PTFE O: metallic flat sealing surface	0: Seal/Seal (DOE) 2: 226/Flat (SOE) 3: 222/Flat (SOE) 7: 226/Spear (SOE) 8: 222/Spear (SOE)	10: 254 mm 20: 508 mm 30: 762 mm 40: 1016 mm