

SANITARY SINGLE CARTRIDGE FILTER

Sanitary Cartridge Filter Housings are three-piece, all-metal housings with clamp closures. They are designed to meet general industrial filtration needs. The Sanitary Models offer you a choice in construction materials for wetted surfaces and are available with a 316L stainless steel head with 304 stainless steel sump or in all - 316L stainless steel in one-high (clamps) two high or three high designs. Clamps for head to sump sealing are stainless steel. All SI housings are tapped for either "leg" or wall mounting. Legs and brackets are standard options for flexibility in installation.

Features

- Rugged all metals construction provides long service life and quick & easy cartridge changeout.
- Design flexibility: 1, 2 or 3-high cartridge models for use with 9^{3/4"}, 19^{1/2"}, or 29^{1/4"} filter cartridges.
- Drilled and tapped mounting holes: Ready for mounting bracket or leg installation.

Options

- Choice of gasket materials
- Mounting bracket available as accessory equipment.
- Stainless Steel legs

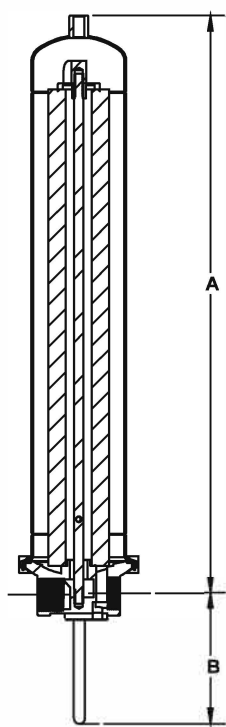
Cartridge Requirement

The SI101, 102 and 103 Series Cartridge Filter Housings can use one, two or three equivalent single-length filter cartridges respectively. The SI101 and 103 Models can also use on 19^{1/2"} filter cartridge and one 29^{1/4"} filter cartridge, respectively. A shorter version of the SI101 that uses a 5" double open end cartridge is also available.



Single Cartridge Housing, Upper Cut

Sanitary Cartridge Filter Housing



Size	I/O	Cartridge Height	A (mm)	B (mm)	Volume (L)	Weight (Kg)
05	1"	127	400	140	1.4	3.4
10	1"	254	507	140	2.4	3.9
20	1"	508	618	140	4.4	5.0
30	1"	762	730	140	6.3	6.0
40	1"	1016	842	140	8.3	7.0

Specifications

Minimum / Maximum Operating Pressure	15 bar
Minimum / Maximum Operating Temperature ^{3,5}	Fluorocarbon Elastomer and Silicone seals -10 to 150 °C (14 to 300 °F) EPR seals -10 to 121 °C (14 to 250 °F)
Steam Sterilization ²⁵	Fluorocarbon Elastomer and Silicone seals 3.7 bar / 150 °C max (53 psig / 300 °F) EPR seals 1 bar / 121 °C max (14.5 psig / 250 °F)
Materials of Construction	Wetted parts 316L stainless steel
Housing Seal Options ³⁴	All standard O - ring materials
Surface Finish	≤ 0.8 micron Ra (≤ 32 Ra micro inches)
Connections	DIN 11851 SMS TC Coupling
Filter Cartridge Compatibility ⁵	Code 2 or Code 7 single open-end
Design Specification	Design Pressure : 15 bar Hydrostatic Test Pressure : 19 bar MNP : 15 bar