

MicroSentry™ SS Series

Stainless Steel Filter Cartridges



- Ideal for high temperature applications up to 500°F (260°C) and high differential pressures up to 60 PSID
- 304L and 316L Stainless Steel construction for compatibility with a wide range of fluids
- 2 through 840 microns ratings for broad range of uses from fine filtration to straining
- Available in cylindrical and pleated configurations for cost effective and extra service life requirements
- Cleanable and reusable
- All welded construction provides highest mechanical strength cartridges
- End cap configurations available in DOE, 222/Flat, 226/Flat, 1" MNPT or 1" FNPT fittings

Applications

High Temperature

Viscous Fluids

Caustic Fluids

Straining

Petrochemicals

Magnetic Coatings

Wastewater

High Differential Pressures

Corrosive Liquids and Gases

Plating Solutions

Hydraulic Oils

Photo Solutions

Process Water

Chemical Solutions

Specifications & Operating Parameters

Pore Sizes

2, 5, 10, 20, 40, 75, 100, 120, 150, 190, 230, 280, 370, 540, 840 microns

Nominal Lengths

4 7/8", 9 3/4", 9 7/8", 10", 19 1/2", 20", 29 1/4", 30", 40"

Diameters:

Outside 2 1/2" (Cylindrical), 2 5/8" (Pleated)

Inside 1 1/16"

Gaskets/ O-rings

Buna, EPR, Teflon, Viton

Materials of Construction

304L or 316L Stainless Steel

Maximum Temperature

500°F (260°C)

Maximum Change-out Differential Pressure

60 psid (4.2 bar)

End Cap Configurations

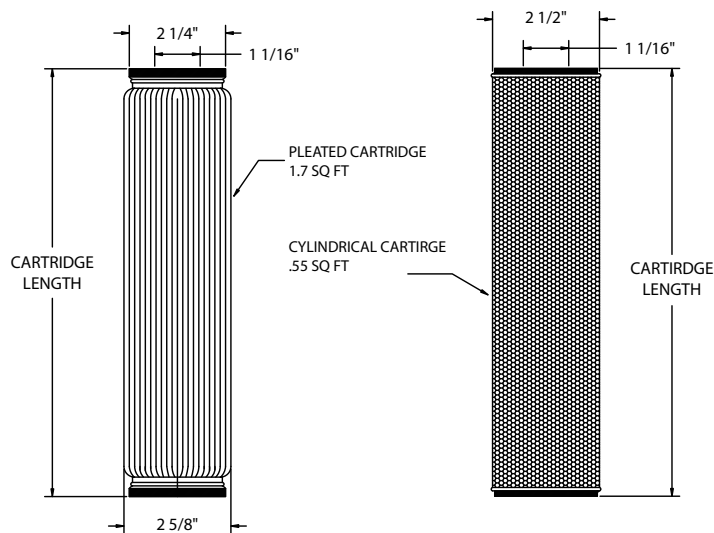
DOE, 222/flat, 226/flat, 1" MNPT, 1" FNPT

Options

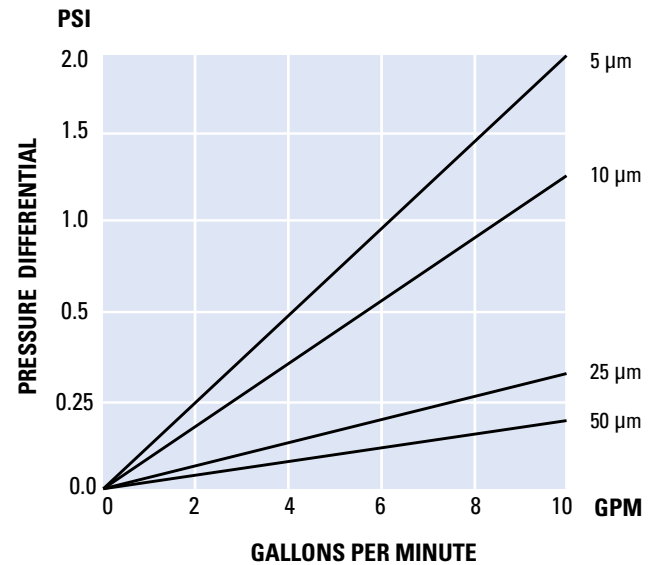
Pleat protector to prevent denting and damage to surface

Heavy duty core (300 psi)

Dimensions



Flow vs. Pressure Drop



Flow rates exceeding 7-8 GPM per 10" length are not recommended for 50 microns or below for maximum service life. This chart represents the typical flow rate per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: SS975-75PS1E-PL-316)

SS	975	-	75	P	S1	E	-	PL	-	316
PRODUCT CODE	LENGTH		MICRON	STYLE	END CAP CONFIGURATION	GASKET / O-RING		OPTIONS		MATERIAL
SS	5 = 4 7/8" 975 = 9 3/4" 978 = 9 7/8" 10 = 10" 195 = 19.5" 20 = 20" 295 = 29.25" 30 = 30" 40 = 40"		2 5 10 20 40 75 100 120 150 190 230 280 370 540 840	C = Cylindrical P = Pleated	S1 = DOE S4 = 222 w/ Flat End S6 = 226 w/ Flat End 1M = 1" MNPT 1F = 1" FNPT	B = Buna E = EPR T = Teflon V = Viton		Blank = None PL = Pleat Protector HD = Heavy Duty Core (300 psi)		304 = 304L 316 = 316L

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.



Contact your **authorized Shelco distributor** today:

Commercial Industrial Supply

1444 East Main St., Rock Hill, SC 29730 USA

Tel: (866) 777-8001 Email: info@emailcis.com