



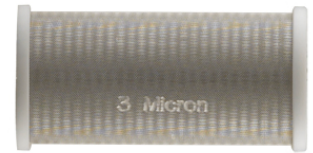
316L Stainless Steel Five Layer Mesh Elements

Features

- High Strength / No Media Migration
- Special Order Micron Sizes Available
- Re-Cleanable / Back-Flushed
- Temperature Range of -65°F to 1000°F
- Able To Withstand 1000 PSIG Differential
- Wide Micron Range: 0.5, 01, 03, 10, 25, 50, 100, and 200

Applications

- Sample Process Filters
- Viscous Filtration
- Corrosive Service
- Liquid / Fast Loop Service
- For Service In High Pressure Swing Systems
- Compressed Natural Gas (CNG)



Stainless Steel elements are recommended for filtration of heavily contaminated gases, liquids, polymers, and steam, since they are re-cleanable by back-flushing or ultrasonic cleaning. The elements consist of five layers of precision-woven 316L stainless steel mesh formed into cylinders and sintered together. The separate layers are sintered at high temperature in a controlled atmosphere furnace to diffusion bond all the layers at every contact point. This creates a bonded media that is strong, ductile and corrosion resistant.

Five individual layers offer surface and depth area to collect solids and drop out liquids. This rigid, durable construction provides precise pore size distribution, flow permeability and lower initial pressure drop.

We offer seven standard grades of filtration, which fit our Headline Filters line of housings, as well as other proprietary brands. Micron Sizes: 0.5, 1, 3, 10, 25, 50, 100, 200 at 98% efficiency in gases and liquids. Grade 25 (25 micron) is widely used to protect pumps and valves while grade 03 (3 micron) is recommended for removal of pipe scale from steam. The SS Elements are environmentally friendly because they are durable and non-absorbent, they can be backwashed, cleaned and reused, thus eliminating a major disposal headache.

Custom Options

Our SS series of elements are incorporated into various custom OEM & CNG products for their strength and efficiency.

By utilizing a high efficiency microfiber element encased in the Stainless Steel mesh, we provide a high efficiency in a robust package.

We offer exotic filter elements (Monel, Hastelloy, Etc.) on a per quote basis and these are typically sintered powder versus woven mesh. These are ideal solutions for **Stack Gas Probes**.

Simply contact us with your details and we will provide a quick and comprehensive quote.

Stainless Steel Model Number	Dimensions I.D. x Length	Collapse Rating ⁽¹⁾	Fits (Housing Series)
SS-12-32	0.5 X 1.25"	2000 PSID	Model 110, 315, 700/710 Series
SS-12-57	0.5" X 2.25"	2000 PSID	Model 120, 315L, 720/725 Series
SS-12-76	0.5" X 2.99"	2000 PSID	Model 122LB-PVF
SS-12-127	0.5" X 5.00"	750 PSID	Model 127IL-3
SS-25-64	1.0" X 2.50"	750 PSID	Model 130, 360, 755/760 Series
SS-25-178	1.0" X 7.00"	750 PSID	Model 140, 370, 780 Series
SS-38-152	1.5" X 6.00"	400 PSID	Model 380AHP Series
SS-51-230	2.0" X 9.00"	70 PSID	Model 150, 385AHP Series
SS-51-476	2.0" X 18.75"	70 PSID	Model 160, 390AHP Series

Notes: (1) This is a maximum differential pressure, not maximum throughput pressure.

Ordering Information:

The stainless steel elements are supplied with our **standard PTFE** gasket set designated by "T", or with a Viton seal designated by a "V" at no additional charge. A grafoil gasket set is also available for temperatures between 500°F and 1000°F and are designated by a "G". There is a nominal charge for grafoil. Enter the gasket material after part number.

Example Part Number: SS-12-57-25T

Maximum temperature of PTFE gaskets and elements is 500°F (Standard)
 Maximum temperature of Viton gaskets and elements is 400°F (Optional)
 Maximum temperature of Grafoil gaskets and elements is 1000°F (Optional – additional charge)

Hospital Steam Sterilizers

This unique construction makes our stainless steel elements a good choice for maintenance free **hospital steam sterilizer** applications. The multiple layers of mesh act as a very effective water condensate filter. The elements come complete with Teflon seals/adaptors, which allow them to be used in Balston, Headline, or UFS Filter Housings.

We recommend a 10 or 25 micron efficiency element in steam applications.

Stainless Steel Model Number	Dimensions I.D. x Length	Collapse Rating ⁽¹⁾	Fits (Housing Series)
SS-51-213	2.0" X 8.39"	70 PSID	Model 150SCK Series
SS-51-460	2.0" X 18.11"	70 PSID	Model 160SCK Series

