

### 5-Layer Sintered Stainless Steel Elements

Stainless steel filter elements are made up of five layers of 316L mesh that are sintered together to form an integrated porous element. The middle mesh is of very fine wire gauge and determines the filtration rates, this layer is then overlaid with inner and outer layers of coarser mesh to give support and protection.



These elements are very useful in heavily contaminated applications and for use as pre-filters before disposable type final filters. These filter elements can be cleaned by back-flushing in situ for extended service life. Or, they can be removed and cleaned with an ultrasonic cleaner.

Seals are required and the options are shown below.

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment. Custom sizes are readily available.

#### Standard Sizes

10.32.□	12.32.□	25.64.□	38.152.□	51.230.□
10.57.□	12.57.□	25.127.□	38.178.□	51.476.□
	12.76.□	25.178.□		

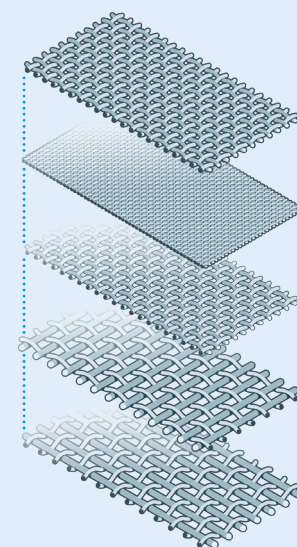
Replace the □ in the part numbers shown with the grade selected from the tables below.

#### Standard Grades

Seals	Max. T.	1µm	2µm	5µm	10µm	20µm	40µm	100µm	200µm
Viton	200°C	S1V	S2V	S5V	S10V	S20V	S40V	S100V	S200V
Nitrile	110°C	S1N	S2N	S5N	S10N	S20N	S40N	S100N	S200N
EPDM	150°C	S1E	S2E	S5E	S10E	S20E	S40E	S100E	S200E
PTFE	200°C	S1T	S2T	S5T	S10T	S20T	S40T	S100T	S200T
Copper	480°C	S1H	S2H	S5H	S10H	S20H	S40H	S100H	S200H

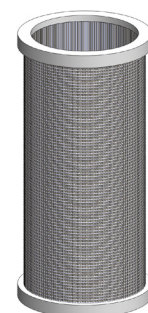
#### Efficiency Ratings

Grade	Nominal (+98%)	Absolute (100%)
S1	1µm	2µm
S2	2µm	5µm
S5	5µm	10µm
S10	10µm	20µm
S20	20µm	35µm
S40	40µm	75µm
S100	100µm	150µm
S200	200µm	250µm



Five Layers of SS Mesh

One layer of mesh determines the filtration rate and this is overlaid with inner and outer layers of coarser mesh to give support.



PTFE Seals



Viton Seals



## Contact Us

Classic Filters Ltd.  
Sextant Park  
Neptune Close  
Rochester  
Kent  
England  
ME2 4LU

T +44 (0)1634 724224  
F +44 (0)1634 724234  
E [info@classicfilters.com](mailto:info@classicfilters.com)  
W [www.classicfilters.com](http://www.classicfilters.com)

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