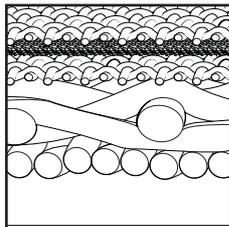


# Stainless Steel and PTFE Filter Elements

## Stainless Steel Filter Elements

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



The elements are a typical surface filter and the contaminants are retained on the surface of the filtration layer, this makes cleaning and back flushing a simple process. These filter elements should be ultrasonically cleaned to give best results.

Stainless steel filter elements are particularly useful in heavily contaminated applications and for use as pre-filters before disposable type final filters. Gaskets are required with stainless steel filter elements. The options are Viton, PTFE or high temperature annealed copper.



### Standard Dimensions

Grades available - 1µm, 3µm, 10µm, 25µm and 100µm. Replace the 'xx' with the grade, e.g. SS-120-01V

Viton Seals	PTFE Seals	High Temp. Seals	Inside Dia.	Length
SS-12-32-xxV	SS-12-32-xxT	SS-12-32-xxH	12mm	32mm
SS-12-57-xxV	SS-12-57-xxT	SS-12-57-xxH	12mm	57mm
SS-25-64-xxV	SS-25-64-xxT	SS-25-64-xxH	25mm	64mm
SS-25-178-xxV	SS-25-178-xxT	SS-25-178-xxH	25mm	178mm

## PTFE Filter Elements

PTFE filter elements are produced by sintering pure PTFE granules, no other substances are used in the construction. These filter elements are usually offered when only 100% pure PTFE can be used. It is normally preferable to offer a K type disposable filter element, if suitable, as both pressure drop and life characteristics are superior to the PTFE elements. The advantage of PTFE is a higher maximum temperature, up to 200°C, and somewhat better chemical resistance. These filter elements should be ultrasonically cleaned to give best results.

### Standard Dimensions

Grades available - 3µm, 10µm, 25µm.  
Replace the 'xx' with the grade, e.g. PT-120-03

Element	Inside Dia.	Length
PT-12-32-xx	12mm	32mm
PT-12-57-xx	12mm	57mm
PT-25-64-xx	25mm	64mm
PT-25-178-xx	25mm	178mm

