

## Specification Sheet

### SS CONICAL FILTERS



A conical filter device is used to filter steam, gases or liquid passing through a pipe line from upstream to downstream. The filter device includes a filter media which is generally a SS mesh filter in a conical housing.

The plate strainer filter forms a seal between the outer edge of the housing at the upstream & downstream side of the housing reducing the chances of by pass of the unfiltered material.

Strainers come in several different styles based on the needs.

A plate strainer is the simplest, in which water flows through a perforated plate. The plate is held between two conical parts of its housings with sealing gasket or 'O' ring. This type of strainer is called plate strainer.

A basket strainer is a design where the strainer is shaped like basket and usually installed in a vertical cylinder. The basket strainer is easier to

clean because the debris is captured in the basket. The basket offers more straining surface area than a plate strainer, improving flow rates, or decreasing pressure across the strainer.

Strainer elements are generally made of stainless steel for corrosion resistance

#### **FEATURES & BENEFITS:**

- Compact size
- Robust design
- Low pressure drop
- Easy maintenance

#### **PRODUCT SPECIFICATIONS**

Micron Rating	: 0.5/ 5/ 10 $\mu$ or as per your requirement
MOC	: SS 316
End Connections	: Flange, triclover
Length	: 150 mm
Outer Dia	: 100 mm
Wall thickness	: 2 mm
Gasket material	: Silicon
Max Operating Temperature	: 250°C
Effective surface area	: 75 cm <sup>2</sup> for 100 mm strainer

#### **APPLICATIONS:**

- Chemicals
- Water, steam & gases