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**SS FILTERS PVT. LTD.**

AN ISO 9001:2008 COMPANY

## Specification Sheet

### **47 MM PRESSURE FILTER HOLDER**



Stainless steel 47 mm Filter holder is designed for ultra cleaning or sterilizing of gases or liquids under high or low pressure. The liquid is filtered through a 47mm disc filter of appropriate pore size by passing it through pressure pump. Gas can be directly passed through inlet.

The holders can be autoclaved with the membrane installed. A prefilter placed upstream of the membrane filter will prevent premature clogging when processing thick liquids.

Filter holder consists of:

- 1) Holder Base.
- 2) Filter support screen.
- 3) Filter sealing Silicon O-ring.
- 4) Top Cap.
- 5) Locking ring with 2 arms.

### **FEATURES:**

- Female threaded locking nuts designed to allow filter changes without removing holder from the systems.
- Stainless screen support filter in both direction of flow thus preventing filter damage if reverse flow or pressure surges occur.
- Unit may be operated up to 100 Kg/cm<sup>2</sup>
- Silicon O-Ring compatible with many aggressive liquids & gases.
- Top cap specially designed at 45° angle along the edge so that silicon 'O' ring is held tightly below to enable leak-free filtration.

**SPECIFICATIONS:**

MOC	: SS 316
Filter Size	: 47mm dia
Prefilter size	: 42 mm dia
Filtration area	: 12.5 cm <sup>2</sup>
Pressure	: 3.5 Kg/cm <sup>2</sup> differential to 10Kg/ cm <sup>2</sup> differential
Connections	: Inlet ¼ “ NPTF Out let ¼ “NPTM
Dimension	: Dia 65mm, length 50 mm

**APPLICATION:-**

- 47 mm Holder can be used for in line microbiological sampling.
- Can be installed for point of use filtration on filling machines
- Sterilizing or ultracleaning of liquids or gases under high / low pressure.