

### 2.1.1 PTFE (Polytetrafluoroethylene) Capsule Filter Hydrophobic

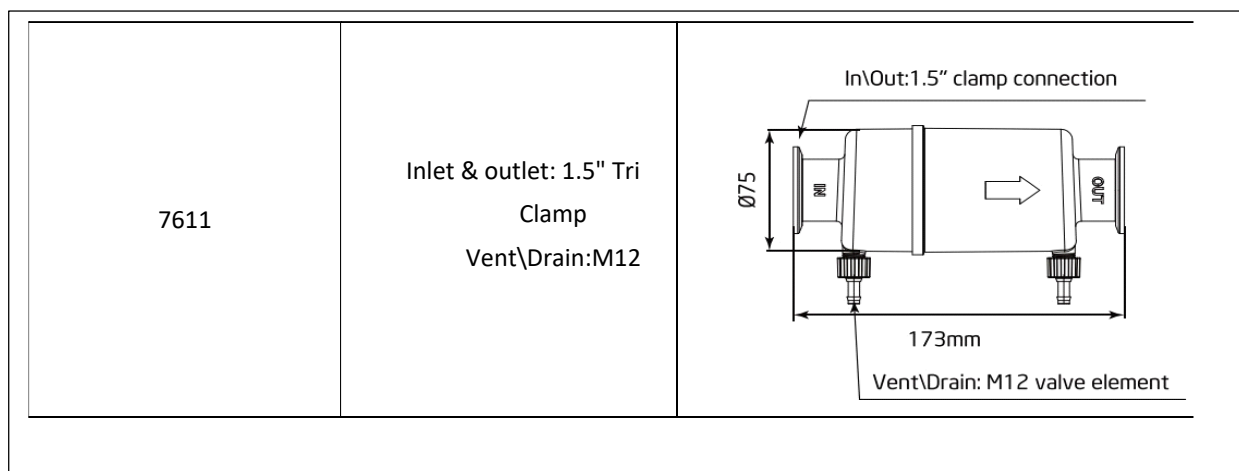
The hydrophobic PTFE membrane pleated filter Capsule is constructed of imported natural PTFE membrane media and PP support layers. All construction process re thermally welded without using any glue or adhesives to get low extraction level. It has superior chemical compatibility, which is ideal for corrosive organic liquid and gas.

#### Features

- \* Naturally hydrophobic PTFE membrane with excellent porosity, high flow rate
- \* Absolute rating, filtration efficiency≥99.99%, Up to 0.01 micron in gas sterile filtration
- \* Low pressure drop and long service life
- \* Wide chemical compatibility, resistant to aggressive gases and corrosive organic solvents
- \* High temperature endurance performance
- \* 100% integrity tested

#### Application

- \* Compressed air, CO<sub>2</sub> line sterile filtration
- \* Tank vent, Fermentation air
- \* Air filtration in aseptic packaging
- \* Aggressive acids, Bases, Solvents
- \* Photo resists, Etch Solutions



## Specifications

Construction Materials	Filter Media	Hydrophobic PTFE Membrane
	Housing	Polypropylene
	Inner core	Polypropylene
	Format	Capsule Filter
	Seal Method	Thermal Bonding, No Adhesives
	Material Seal	Silicon
Technical Data	Micron Rating	0.2um
	Operating Temperature	Normal: 20°C : 5 bar; 50°C : 3 bar
	Maximum allowable back pressure	2 bar (29 psi) at 20 °C; 1.5 bar (21.8 psi) at 50 °C Max. 85 °C (P= 1.0 bar)
	Flow rate	1.8 l/min (P= 0.1 bar)
	pH Value Compatibility	2-13
	Sterilization	Steam sterilization for 30 min at 121°C, 2 bar min.
Capsule Size	Filter Size	5 inch
	Filtration Area(m <sup>2</sup> )	0.24 m <sup>2</sup> /5.0''
Biosecurity	Endotoxin	<0.25 EU/ml
	Extractable	≤10 mg/5'' after 24 hours in ASTM type 1 water.
Connector	Inlet	1.5'' Triclamp
	Outlet	1.5 '' Triclamp