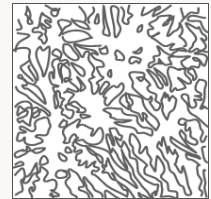


# PTFE Porous Membranes

## PTFE Porous Membranes

PTFE porous membranes are manufactured from pure PTFE. They have a good strength, but remain flexible for easy installation. The membranes extremely inert and have very low absorption levels.

Microscopic pores in the membrane allow the gas to flow through easily, but even the smallest liquid aerosols are prevented. The high surface tension of the liquid molecules cause them to be formed tightly together making them too large to fit through the pores of the membrane.



There are two standard grades available for use in high and low flow applications. The M1 is a standard type membrane and is suitable for most liquids and the M2 is a high flow type recommended for higher surface tension liquids such as water, glycols and other oily liquids. See data sheet CF/1.2/052 for more information about flow rates.

The MT.33.□ size membranes are suitable for use with the model SM105 and SM125 membrane filter housings and the MT.61.□ size are used in housings SM205 and SM215. They can also be used in other proprietary housing types. Replace the □ with the grade required.

## Principle Specifications

	MT19.M1	MT19.M2	MT33.M1	MT33.M2	MT61.M1	MT.61.M2
Membrane Type	Standard	High Flow	Standard	High Flow	Standard	High Flow
Material	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
Gaskets (1)	Viton	Viton	Viton	Viton	Viton	Viton
<b>Principal Dimensions</b>						
Diameter - mm	19	19	33	33	61	61
Thickness - μm	150	150	150	150	150	150
Average Pore Size - μm	0.1	0.8	0.1	0.8	0.1	0.8
Maximum Temperature - °C	100	100	100	100	100	100
Maximum Rec. Flow Rate - Lts/min	0.15	2.5	0.35	10	1.0	70

**Notes** (1) Optional gasket materials are available. See individual housing data sheets for more information.

## Box Quantities

The membranes are supplied in boxes of five and include spare Viton gaskets for sealing the membrane into the housing.