



## Model 6190 Series 0.01 Micron Membrane Gas Filter



### Description

Matheson has provided an efficient solution to control particulates by introducing this Teflon media filter to achieve gas stream filtration efficiency to the 0.01 micron level with a high performance membrane gas filter. This filter may be installed in non-corrosive gas streams that are supplied by either cylinder sources, bulk sources or an on-site generating plant. Installing the membrane filter near the reaction chamber itself affords the best protection in eliminating particulates that can be released into the gas stream.

### Design Features/Components

- Porous Teflon filter medium.
- Excellent compatibility with non-corrosive semiconductor gases
- All welded 316L stainless steel construction...for purity
- Standard units available with VCR and Swagelok connections
- PTFE Teflon membrane; 0.2 micrometer pore size
- Rated at 100% efficiency to 0.01 micron
- Large surface area for longer life and uniform flow characteristics
- Special end fittings available (minimum quantities may apply)

### Specifications

Filtration Rating:	100% efficiency at 0.01 micron level
Medium:	PTFE Teflon medium supported by and sealed into polypropylene end caps
Effective Filter Area:	0.5 ft <sup>2</sup>
Pressure Rating:	1000 psig max.
Temperature Rating:	100°F max.
Internal Seal:	Teflon encapsulated silicone O-ring
Quality Control:	100% test of Teflon filter element prior to assembly in housing
Packaging:	All units are leak tested at 500 psig, capped and packaged in poly bag
Maximum Flow:	250 SLPM at 15 psig inlet, atmosphere outlet
Shipping Weight:	2 lbs

### Ordering Information

Model No.	Inlet/Outlet Connections	Dimensions (L x D)
6190-T4FF	1/4" Swagelok	5.56" x 2.20"
6190-V4MM	1/4" VCR M x M	5.62" x 2.20"