



## Model 6190 Series 0.01 Micron Membrane Gas Filter



### Description

Matheson Tri-Gas 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"      |