



Wafergard® II F Micro In-Line Gas Filters

Superior particulate filtration for high purity gas system filtration



Product Description

For ultra-high-purity gas systems, your best choice is the Wafergard II F Micro inline gas filter. Recommended for inert and reactive gases, this device offers excellent compatibility with all classes of semiconductor process gases. Its compact diameter of 19.05 mm (0.75 in) enables easy installation in space-restrictive gas panels and cabinets.

Specifications

Materials	Filter Element: Hydrophobic Teflon® PTFE membrane supported by molded Teflon PFA structure Housing: Electropolished VAR 316L stainless steel housing
Downstream Cleanliness	Less than 0.03 particles/Liter (< 1 particle/ft ³) greater than 0.01 µm. Volatiles: < 10 ppb moisture
Removal Rating	≥ 0.003 µm
Surface Finish Interior	≤ 7 µin Ra.
Helium Leak Rating	Qualified: 2x10 ⁻¹⁰ cc/min Tested: 1x10 ⁻⁹ cc/min
Operating Conditions	Maximum Inlet Pressure: 207 bar (3000 psig) at 23° C Maximum Forward Differential Pressure: 4 bar (60 psid) at 23° C Maximum Reverse Differential Pressure: 0.7 bar (10 psid) at 23° C Maximum Operating Temperature: 120° C
Particle Retention	Greater than 99.999999% (9 LRV) removal of all particles @ 30 slpm (referenced at the most penetrating particle size).
Flow Rating	Refer to Flow Curve

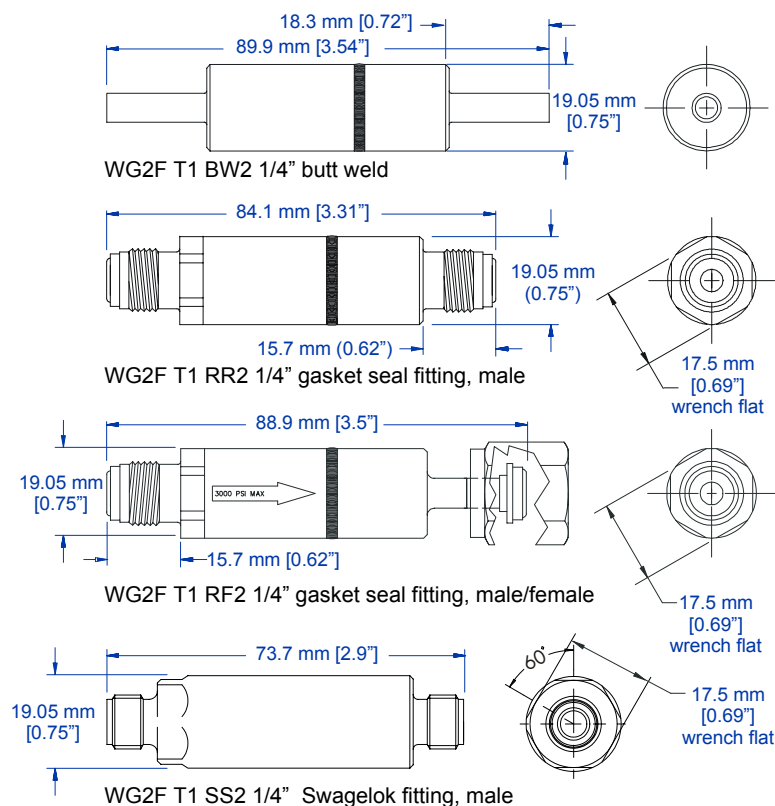
Key Features

- Compact footprint
- Maximum diameter of 19.05 mm (0.75"), makes installation easy even in space-limited applications.
- Low pressure drop reduces the risk of condensation in low vapor pressure gases.
- Clean Room manufactured, welded, and tested
- Teflon PTFE membranes provide high efficiency filtration

Applications

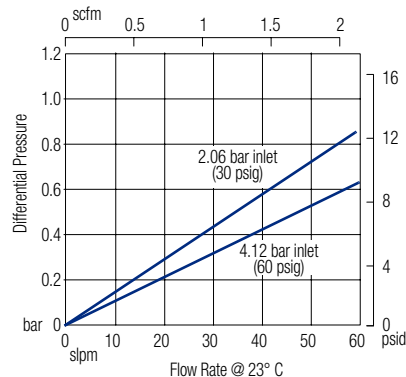
- Ozone applications (Gas)
- Gas cabinets
- Ultra-high purity gas systems
- Gas panels
- Inside process tools

Wafergard II F Micro In-line Gas Filters - Ordering Information



Ordering Information

Fitting Options	Overall Length	Part #
Wafergard II F Micro In-line Filter, 1/4" Butt weld tube	89.9 mm	WG2FT1BW2
Wafergard II F Micro In-line Filter, 1/4" Gasket Seal (compatible with VCR® fitting) Male	84.1 mm	WG2FT1RR2
Wafergard II F Micro In-line Filter, 1/4" Gasket Seal (compatible with VCR fitting) Male inlet/ Female outlet	88.9 mm	WG2FTTRF2
Wafergard II F Micro In-line Filter, 1/4" Swagelok® tube fitting male	73.7 mm	WG2FT1SS2



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Find the latest catalog, data sheets, and technical briefs at
www.mykrolis.com or
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