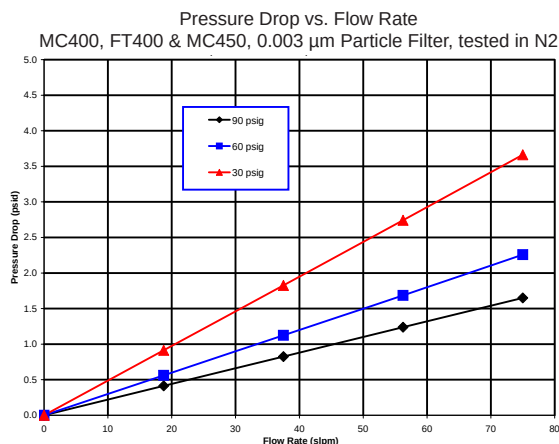


MicroTorr purifiers are the most complete and reliable solution for Point-of-Use (POU) gas purification. Combining model size with a selection of gas-specific purification materials, MicroTorr purifiers can be tailored to many different customer applications, while maintaining impurity removal to Part-Per-Billion (ppbV) levels or better. Optional valves and a 0.003 micron particle filter are available as well as custom subsystem configurations.

Competitive Advantages and Benefits:

- **Reliability.** Uncompromised process consistency and yield improvement.
- **Performance.** State-of-the-art purification technology, low pressure drop, and long lifetimes.
- **Regenerability.** Most MicroTorr media are factory regenerable, minimizing potentially hazardous waste.
- **Quality.** 316L stainless steel, Helium leak checked, pressure tested, and analytical testing to Part-per-Trillion (pptv) levels.
- **Support.** Lifetime estimation and regeneration service available through SAES Pure Gas Sales Network.



Ordering Information

FT400 - 902 XX

Model

FT400

Media

902

Options

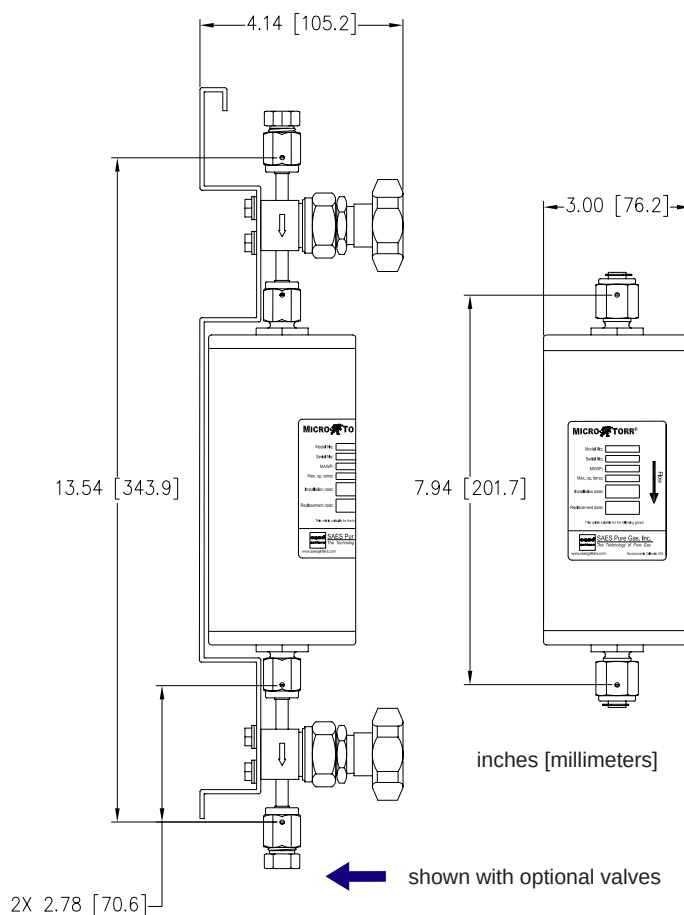
No options
F 0.003µm Particle Filter
V Inlet/Outlet Valves
FV Filter and Valves

Example: FT400-902F

Model: FT400 Media: 902 Options: 0.003µm Particle Filter

FT400

- **Lifetime**
Consult factory for specific lifetimes
- **Maximum Flow: 75 slpm**
- **Nominal Flow: 10 slpm**
- **Maximum Pressure: 500 psig**





SAES Pure Gas, Inc.
The Technology of Pure Gas
4175 Santa Fe Road, San Luis Obispo, CA 93401
Tel: 1 (805) 541-9299 | Fax: 1 (805) 541-9399



Specifications

FT400

Mechanical Specifications

Model	FT400-902	FT400-902V	FT400-902F	FT400-902FV
Maximum Flow	75 slpm	75 slpm	75 slpm	75 slpm
Nominal Flow	10 slpm	10 slpm	10 slpm	10 slpm
Material	Body-316L Stainless Steel		Body-316L Stainless Steel	
Filter (Outlet)	2.0 micron metal		Integrated 0.003 micron, metal	
Valves	N/A	1/4" manual	N/A	1/4" manual
Max Operating Pressure	500 psig (34.5 barg) @ 40°C		500 psig (34.5 barg) @ 40°C	
Max Temperature Rating	40°C (104°F)	40°C (104°F)	40°C (104°F)	40°C (104°F)
Inlet	1/4" MVCR	1/4" FVCR	1/4" MVCR	1/4" FVCR
Outlet	1/4" MVCR	1/4" FVCR	1/4" MVCR	1/4" FVCR
Length (Face to Face)	7.94"±.03 [201.7mm±0.8]	13.54"±.08 [343.9mm±2.0]	7.94"±.03 [201.7mm±0.8]	13.54"±.08 [343.9mm±2.0]
Outside Diameter	3.00" [76.2mm]	3.00" [76.2mm]	3.00" [76.2mm]	3.00" [76.2mm]
Electropolish	Yes	Yes	Yes	Yes
Leak Rating	1x10 ⁻⁹ atm cc/sec of He	1x10 ⁻⁹ atm cc/sec of He	1x10 ⁻⁹ atm cc/sec of He	1x10 ⁻⁹ atm cc/sec of He
Weight	4.1 lbs (1.8 kg)	5.0 lbs (2.3 kg)	4.1 lb (1.8 kg)	5.0 lbs (2.3 kg)

Purification and Removal Capabilities

Media	Gases Purified	Impurities Removed	Outlet Performance	Regenerable	Dangerous Goods (DG) Classification
902	Ar, He, Kr, N ₂ , Ne, Xe	H ₂ O, O ₂ , CO, CO ₂ , H ₂ NMHC	< 1 ppbV	YES	DG - UN2881 Class 4.2

Other Sizes Available

Model Number	MC1	MC50	MC190	MC200	MC400	MC450	MC500	MC1500	MC2525	MC2550	MC3000	MC4500	MC9000
Maximum Flow (slpm)	5	10	50	50	60	75	100	250	300	500	500	1000	1000
Average Flow (slpm)	0.5	1.5	5	5	9	10	12	40	80	80	80	200	300

Piping Options Available

3 Valve Bypass