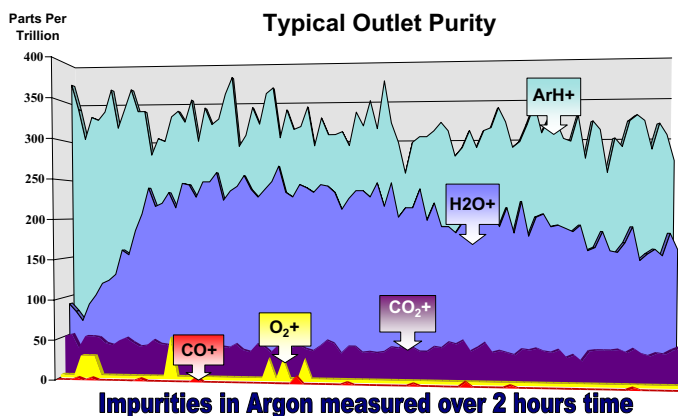
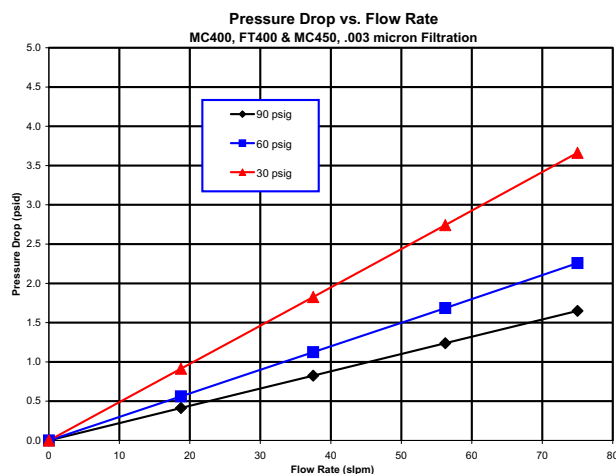


SAES is the worldwide leader in gas purification technology. We offer a complete line of gas purifiers for virtually all bulk and specialty gases.

Extensive experience in the interaction of gases and materials, combined with an uncompromising dedication to quality and service, has made **SAES** the world's leading supplier of gas purifiers. Our total-integration approach to manufacturing, from purification materials development to purifier installation at customer facilities, ensures not only the best product, but also unparalleled service and support throughout the world.

The **FaciliTorr®** Weld/Purge purifier purifies gases to < 1 ppb purity for welding and purging of ultra-high purity piping systems. The **FaciliTorr** ensures consistent gas quality and removes all oxygen impurities, resulting in welds that are continuously reproducible. In purging applications, the **FaciliTorr** provides fast drydown of UHP gas systems during start-up and operation.

The **FaciliTorr** operates at ambient temperature, and can be factory-reactivated to provide extended lifetime and reduced cost of ownership.



FT400

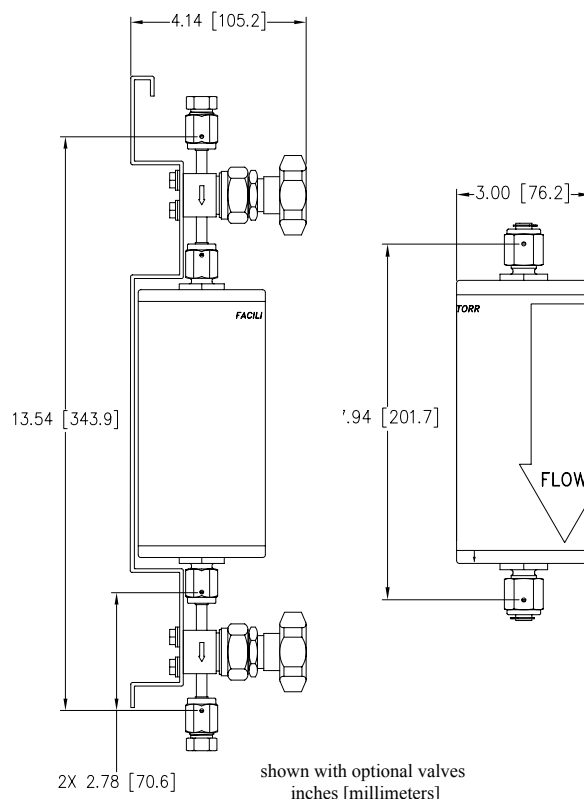
□ Lifetime

1 year based on typical 5-9 grade gas at nominal flow.
 (Consult factory for specific lifetimes.)

□ Maximum Flow: 75 slpm

□ Nominal Flow: 10 slpm

□ Maximum Pressure: 500 psig



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	2.0 micron outlet 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 [201.7±0.8]	13.54"±.08 [343.9±2.0]	7.94"±.03 [201.7±0.8]	13.54"±.08 [343.9±2.0]
Outside Diameter	3.00" [76.2]	3.00" [76.2]	3.00" [76.2]	3.00" [76.2]
Electropolish	Yes	Yes	Yes	Yes
Helium Leak Test	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)

* The 3 digit number found in the model number equates to the "Media" row in the table below.

FT400 Purification and Removal Capabilities

Media	Gases Purified	Impurities Removed	Outlet Performance	Conditioning (Refer to Manual)	MSDS
902	Ar, He, Kr, N ₂ , Ne, Xe	H ₂ O, O ₂ , CO, CO ₂ , H ₂ NMHC, Acids	< 1 ppb	B	MSDS-902

Other Sizes Available

Model Number	MC1	MC50	SP70	MC190 HP190	MC200	MC400 HP400	FT400	MC450	MC500	SP300	MC1500	SP600	MC3000	MC4500	MC9000
Maximum Flow	5 slpm	10 slpm	40 slpm	50 slpm	50 slpm	60 slpm	75 slpm	75 slpm	100 slpm	200 slpm	250 slpm	400 slpm	500 slpm	1000 slpm	1000 slpm
Nominal Flow	0.5 slpm	1.5 slpm	1.5 slpm	5 slpm	5 slpm	9 slpm	10 slpm	10 slpm	12 slpm	10 slpm	40 slpm	15 slpm	80 slpm	200 slpm	300 slpm

Model Numbering Information

MC1	-902	F	V
Indicates the size and flow rate of the unit.	Media. Indicates the gases this purifier can process and which impurities can be removed.	Indicates .003 µm filter. (Note: standard on some units. Refer to Mechanical Specifications above.)	Indicates valve option.
Example: MC1-202FV			