

Modulab® High Flow Water Purification System



MODULAR POLISHING SYSTEM:

Siemens Water Technologies modular polishing system delivers up to 14 liters per minute of Type 1 quality, ultra pure water at the point-of-use dispense. Whether you need water for media or reagent preparation or for microbiological buffer preparation, our system can provide you with water whenever you need it.

GENERAL DESCRIPTION:

The Modulab® High Flow water system is a modular, point-of-use polishing system which consistently provides high quality Type 1 water (up to 18.2 MΩ - cm @ 25 °C) with flow rates up to 14 lpm (3.7 gpm) of pretreated water.

The Modulab® High Flow system is a wall-mountable unit that requires a minimal footprint for installation.

The Modulab® High Flow comes fully assembled and functionally tested at the factory before shipped. Cartridges need to be purchased separately and can be installed on-site.

The system is offered in three configurations: 1) a low TOC model 2) a low bacteria model and 3) a low pyrogen model.

SYSTEM SPECIFICATIONS:

Product Water quality.

Minimum Flow Rate	2 lpm (0.5 gpm)
Maximum Flow Rate	Up to 14 lpm (3.7 gpm)
Resistivity	Up to 18.2 MegΩ-cm@25 °C
Total Organic Carbon (TOC)	<15 ppb*
Heavy Metals	<0.01 ppb
Bacteria	<10 cfu/ml**
Endotoxin	<0.05 EU/ml**

* With Organic Removal Cartridge installed and RO (reverse osmosis) feed water.

** With Sub-micron or UF (ultrafiltration) Filter Cartridge installed as specified.

Note: Specifications are based on a RO feed.



FEATURES & BENEFITS:

- Type 1 water quality (up to 18.2 megohm)
- Flow rates up to 14 lpm (3.7 gpm)
- Dual Wavelength UV sterilization.
- High capacity, low TOC cartridges.
- Simple cartridge / filter change-out.
- Easy Sanitization.
- Space saving wall mountable design.

GENERAL SPECIFICATIONS:

OPERATING PARAMETERS:

Minimum feed pressure	0.5 psig
Maximum feed pressure	60 psig
Minimum feed temperature	41 °F (5 °C)
Maximum feed temperature	100 °F (37.7 °C)

PHYSICAL SPECIFICATIONS:

Length, in (cm)	43 (109)
Depth, in (cm)	8.5 (22)
Height, in (cm)	39 (100)*
UV Bulb Service Clearance, in (cm)	6 (16) Front

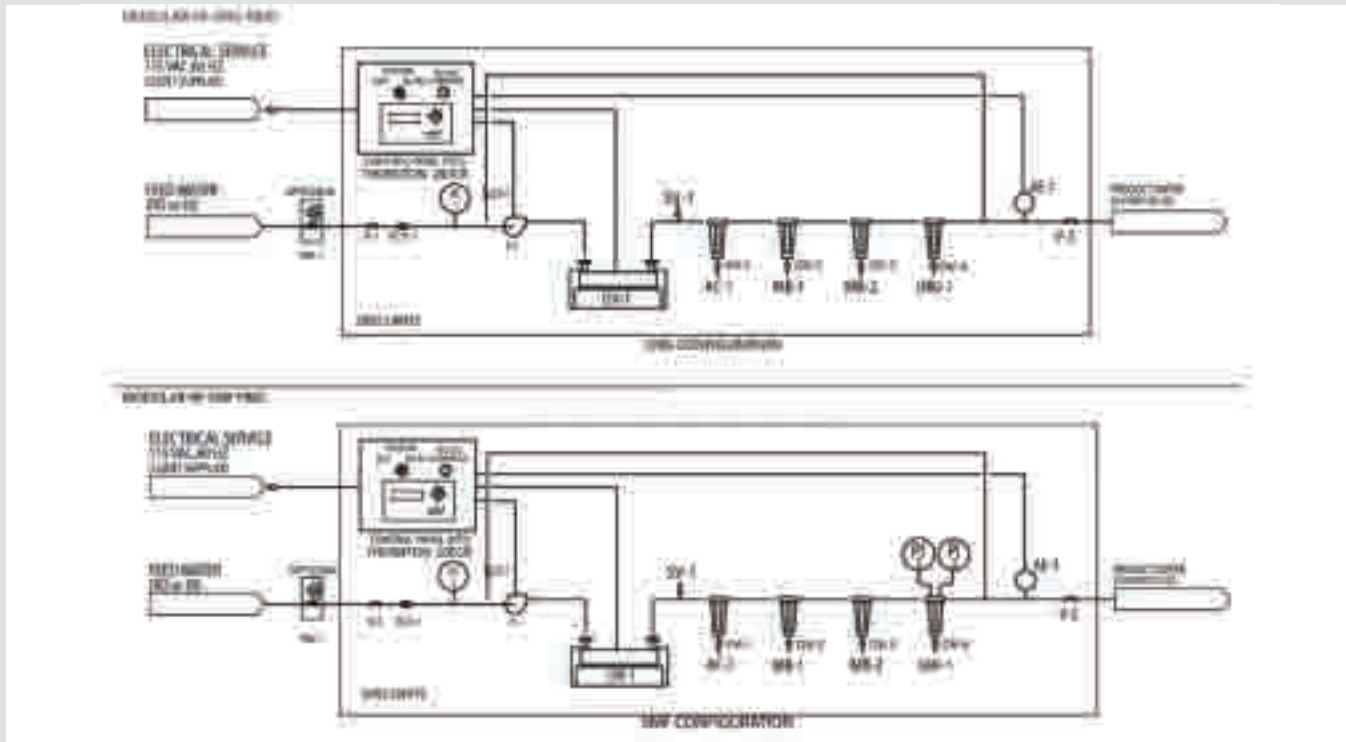
* Requires an additional 4" in height to allow changing of cartridges

UTILITY REQUIREMENTS:

Electrical	
Low voltage service. Single Phase	115 VAC
Breaker required per Code	15 AMP
Feed Water	RO or DI water

STANDARD PRODUCT ORDERING INFORMATION:

Product Number	Description
MHF0ORG1	Modulab High Flow System Low TOC
MHF0SMF2	Modulab High Flow System Bio Model
MHF0SMF5	Modulab High Flow System UF Model
Cartridges	
MLHF20DI01	Carbon Cartridge
MLHF20CAR1	Mixed Bed Cartridge
MLHF20OS01	Organic Removal Cartridge
FCUF020S2 (1/PK) MLMF020S2 (2/PK)	0.2µm, Filter Cartridge
FCUF020S05	0.5µm, Filter Cartridge



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