

LaboStar™ TWF Tap Feed, Compact, Type I Water Purification Systems

LaboStar™ TWF ultrapure water purification systems from Siemens Water Technologies are designed to provide ASTM Type I water from a tap water feed source. The compact design provides up to 1.2 lpm of ultrapure water, needed for many of today's laboratory applications.

LaboStar™ TWF systems are, an economical choice for ultrapure water generation compared to other systems that may include expensive features not required in all applications. With their compact size, LaboStar™ TWF systems are simple to use and can be easily installed virtually wherever water is required direct from your faucet.

The water purification systems can be conveniently placed on a work bench for use, or purchased as a wall-mounted unit to conserve valuable bench space.

LaboStar™ TWF systems produce ultrapure water from tap water in even the most critical applications including:

- General analysis
- Sample dilution and solution preparation
- Pyrogen-sensitive applications
- Cell and tissue culture
- PCR
- HPLC

LaboStar™ TWF systems are supplied with all required consumables for simple plug-and-play operation. The system features a unique pretreatment module that produces RO quality water from a tap water feed source that is stored in an integrated 7 liter reservoir. When 18 megohm, Type 1 water is required at the point of use, RO water is sent from the reservoir through high capacity polishing cartridges for further purification. Typical TOC levels achieved are between 5 and 10ppb. With the addition of a dual wave length UV, and enhanced organic removal DI polishing cartridges, TOC levels of <5ppb can be obtained.

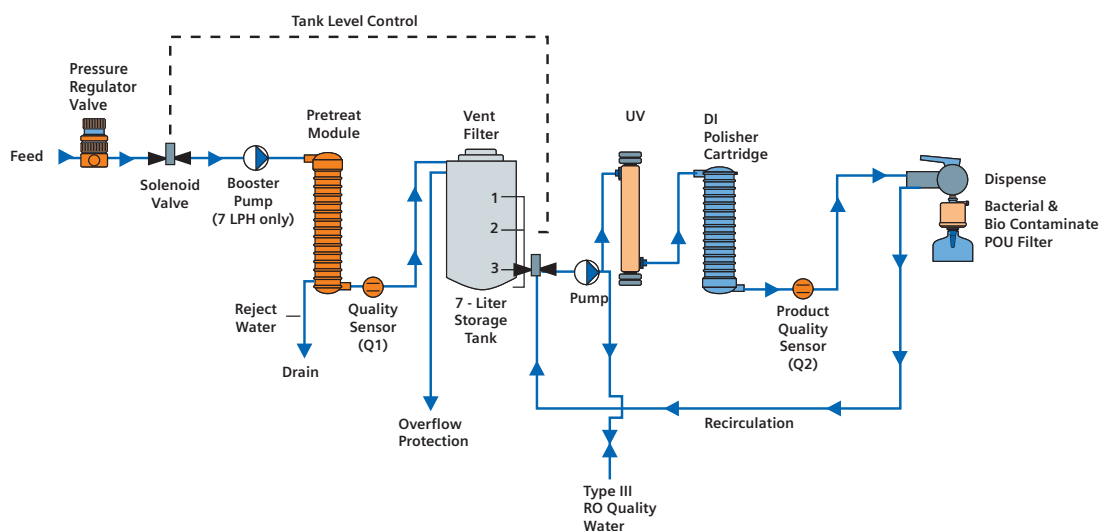


All Labostar systems feature three stages of purification – pretreatment, polishing and a positively charged 0.2µm sterile filter at the point of dispense to provide particle reduction and biological and bacterial protection. LaboStar™ TWF systems also include a 0.2µm vent filter to maintain water quality in the storage tank. LabStar™ TWF systems are available with pre-purification product flow rates of 3 lph and 7 lph for applications with high daily use requirements.

Features

- System recirculation to dispense point inhibits bacterial growth and maintains water quality
- Quality sensors allows users to see water quality after pretreatment and at POU
- Large backlit LED display with easy-to navigate controls
- Plug-and-play design supplied with all consumables for easy installation
- Dispense rates up to 1.2 lpm
- Easily adapted anywhere in your facility, no pre-purification system required
- Flexible design to deliver both Type III and Type 1 quality water with one system

LaboStar™ TWF - DI/UV



Ultrapure Water Specifications

Flow Rate	Up to 1.2 lpm
Type III Production Rate	3 and 7 lph
Conductivity	0.055µm/cm @ 25°C
Resistivity	18.2MΩ-cm @ 25°C
Total Organic Carbon (TOC)	<5 ppb - DI/UV Model <10 ppb DI Only Model
Bacteria*	<1 CFU/ml
Endotoxins*	<0.001 EU/ML
RNase*	<0.01 ng/ml
DNase*	< 4 pg/µl
Particles > 0.2µm*	< 1
* With POU filter installed and system is used within operating parameters	

Systems Specifications

Dimensions (HxWxD)	21x12x16 In (535 x 290 x 400 mm)
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Ordering Information

	Bench Top	Wall Mount
LaboStar™ TWF - DI Only		
3 lph	2221-SW	2221-W-SW
7 lph	2231-SW	2231-W-SW
LaboStar™ TWF - DI/UV		
3 lph	2222-SW	2222-W-SW
7 lph	2232-SW	2232-W-SW

Feed Water Specifications

Inlet pressure	43 - 73 psi (3-5 bar)
Conductivity	<1400 µm/cm
Temperature	41 to 90°F (5-35°C)

Electrical

Power Supply	100-240V/50-60Hz
Consumption	< 0.4 Kw
Shipping weight -DI	52 lbs (24 kg)
Shipping weight -DI/UV	55 lbs (25 kg)

Consumables

Pretreatment Module	2111-SW
Polishing Cartridge Low Inorganics - DI Model	2172-SW
Polishing Cartridge Low organics -DI/UV Model	2173-SW
Replacement UV Lamp	2068-SW
POU Bio Filter (3/pk)	2097-SW
Tank Vent Filter	3513-SW
Wall Bracket - To mount bench top unit to a wall	2190-SW
Disinfection Kit (3/pk)	2055-SW

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