PURELAB flex 2

Polisher

Type I water

Liters per day: Dependent on feedwater

18.2 MΩ.cm

Key Features

- ✓ Real-time TOC
- ✓ Fully re-circulating
- ✓ Customize settings
- ✓ Integrated filtration
- ✓ Adjustable dispensing

Ideally suited for:

- Mass Spectrometry
- Molecular Biology
- Electrochemistry
- Atomic Spectroscopy
- Liquid Chromatography
- Gas Chromatography
- Immunochemistry
- Spectrophotometry
- Media / Buffer Prep
- General Chemistry

Designed for the laboratory of today.

Reliable delivery of Type I water purity

The PURELAB flex is designed to deliver accuracy, flexibility and ease-of-use. The award winning system produces ultrapure type I (18.2 MΩ.cm) water from a pre-purified feed, which is ideal for analytical and life science applications. It allows focus on routine test work without concern about the water quality affecting test results.

Guaranteed Water Purity

Full recirculation through the UV lamp and purification pack right to the point of use for peace of mind.

Intuitive Flexible Dispense

Clear water purity display for absolute confidence as you dispense.

Real-time TOC Monitoring

Provides complete confidence in organic purity by reducing the level of organics for critical applications.

Easy To Maintain

Easy access to the consumables as well as well as quick easy automated sanitization to minimize downtime.

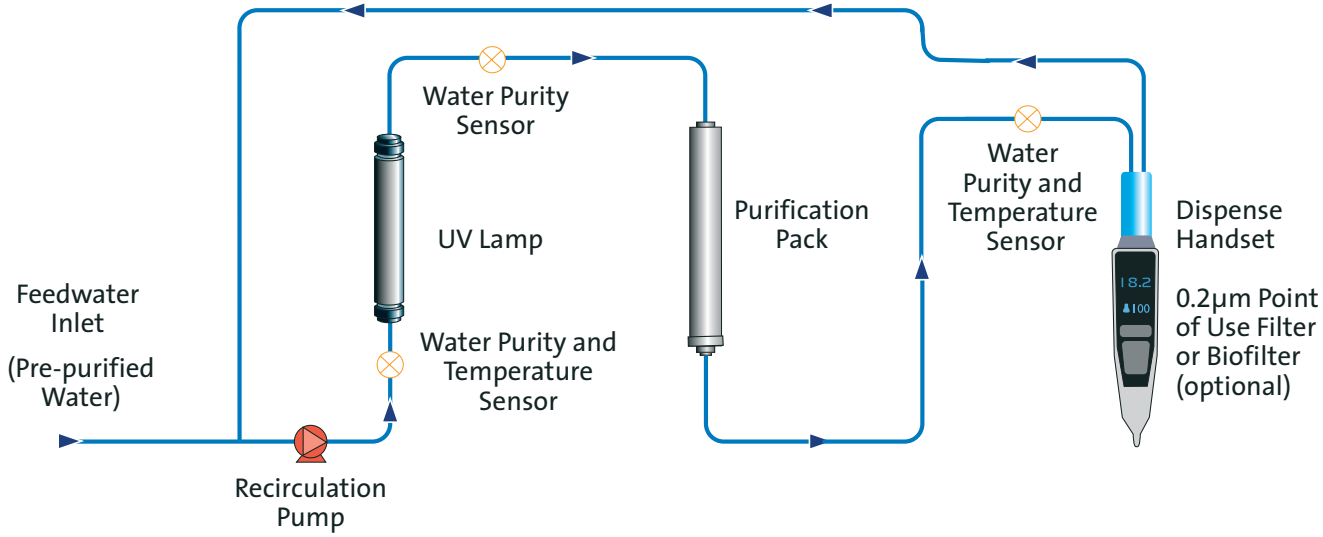
Data Capture

Data capture via USB for system performance validation and software updates.

Space Saving

Space saving and compact dispenser which can be placed on the bench or wall mounted.

Process Flow PURELAB flex 2



Specifications

TREATED WATER SPECIFICATIONS

APPLICATION	PURELAB flex 1	PURELAB flex 1 (with purification pack)	PURELAB flex 2
Daily volume	>10 liters	>10 liters	>10 liters
Dispense Flowrate	Up to 2.0 l/min	Up to 2.0 l/min	Up to 2.0 l/min
Inorganics @25°C	As per feedwater	18.2 MΩ.cm	18.2 MΩ.cm
Total organic carbon (TOC)	Dependent on feedwater		
Bacteria	<0.1 CFU/ml◊	<0.1 CFU/ml◊	<0.001 CFU/ml◊1
Bacterial Endotoxin	N/A	<0.001 EU/ml‡	<0.001 EU/ml‡
RNase	N/A	N/A	<1 pg/ml
DNase	N/A	N/A	<5 pg/ml

◊ With C134/145/197 POU filter/Biofilter ‡ With LC197 Biofilter [1] Dependent on feedwater

FEEDWATER REQUIREMENT

Source	Originally from potable supply, then pretreated. Preferably reverse osmosis (RO) or filtered service deionization (SDI) or distilled.		
Fouling index (max)	<1 for all models		
Free Chlorine	<0.05 ppm max		
TOC	N/A		
Carbon dioxide	<0.1 ppm		
Silica	<2 ppm		
Particulates	5-10 µm		
Temperature	4-40°C (Recommend 10-15°C)		
Flowrate (maximum requirement)	>2 l/min (0.5 USG)		
Drain requirements	None required		
Feedwater pressure	1.5 bar (22 psi) maximum; Flooded suction minimum		

* Fit LA652 Pressure Regulator where feedwater pressure exceeds specified limits

Dimensions	Height 900-1020mm, Width 236mm, Depth 374mm		
Weight	10 kg (22 lbs)	10.5 kg (23.1 lbs)	11 kg (24.2 lbs)
Installation	Bench / wall		