ELGA VEOLIA

PURELAB®
Innovation and Flexibility

Lab Water Purification Solutions for your Research Needs

PURELAB flex 1

Dispenser (RO)

Type III – Type I
dependent on use with a DI pack

Liters per day: 1 - 100

Key Features

- ✓ Flexible dispensing
- ✓ Customise settings
- ✓ Fully re-circulating
- ✓ Integrated filtration

Ideally suited for:

- Dispensing

With DI pack

- General lab
- Type II applications

Simplicity and Elegance.

The best dispenser for your distribution system

The PURELAB flex 1 is designed to dispense water when it is connected to a reservoir or distribution loop. This system works as a dispenser as well as a simple deionization system.

Customized settings

Be in control of your PURELAB flex by customizing the settings to suit your application.

Easy Access

Routine maintenance has never been easier.

Data capture

Download all of the data to USB for system performance validation.

PURELAB flex 2

Type I water

Liters per day: 10 - 100

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 provides perfect water purity for analytical and life science applications which require RO type III water up to ultrapure type I (18.2 MΩ.cm) water. 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.

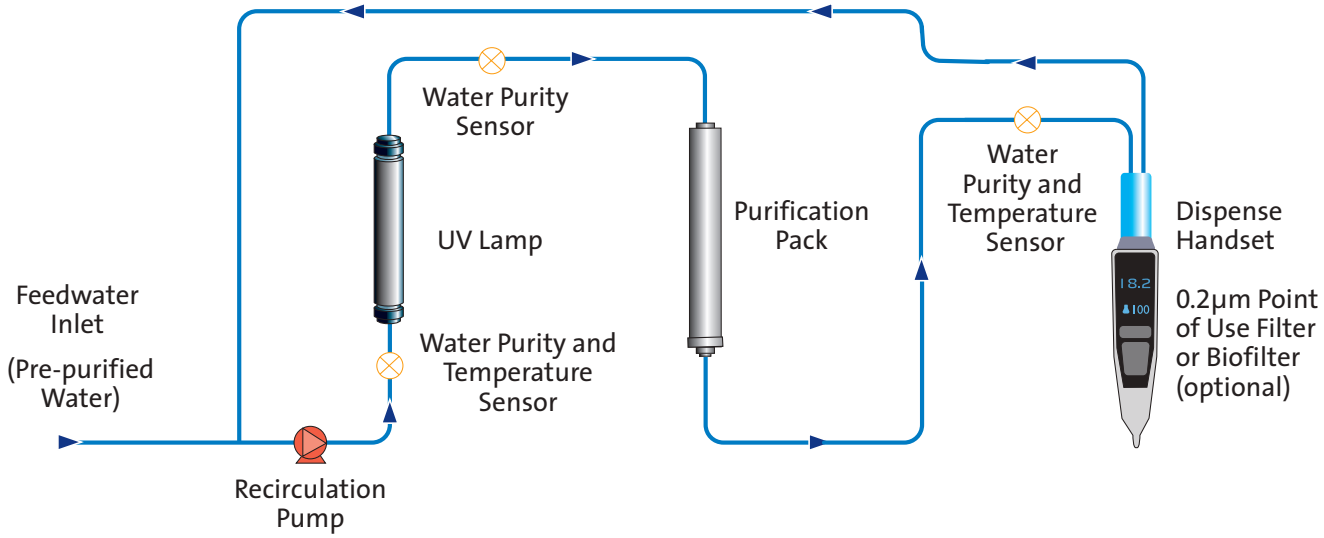
Easy to maintain

Easy access to the consumables through the front door panels means that maintenance time is reduced, with less disruption to your work.

Data capture

Download all of the data to USB for system performance validation.

Process Flow PURELAB flex 2



Specifications

TREATED WATER SPECIFICATIONS

APPLICATION	PURELAB flex 1	PURELAB flex 1 (with purification pack)	PURELAB flex 2
Daily volume	<100 liters	<100 liters	<100 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		<5 ppb
Bacteria	<0.1 CFU/ml◊	<0.1 CFU/ml◊	<0.001 CFU/ml◊
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 POU filter fitted

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		