

# PURELAB

ANALYTICAL RESEARCH



## PURELAB® flex

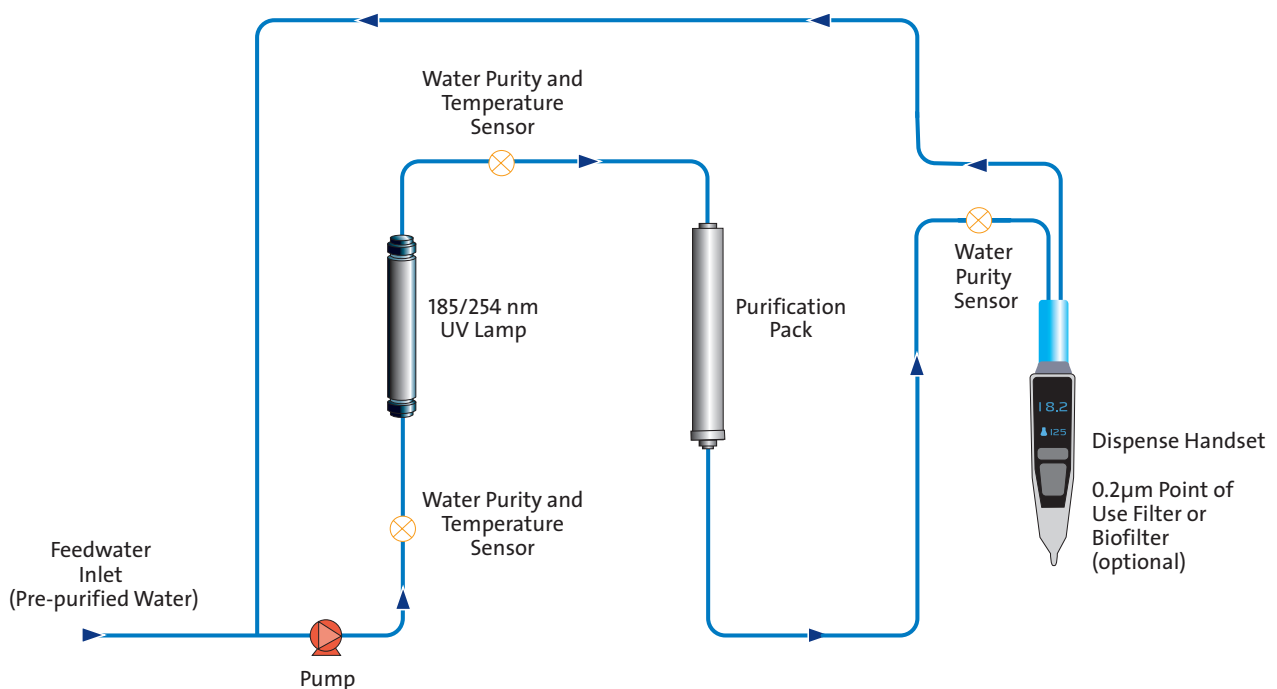
The new PURELAB flex uniquely combines ease of use with the accurate delivery of pure water. The flexible modular system can be configured to deliver the quality of water you need for your applications.

- Features a flexible dispense handset with a large easy-to-read display – you can easily check water quality (Resistivity or Conductivity and TOC) and volume as you dispense
- Height adjustable dispense point glides easily up and down the central column to accommodate virtually any size of container
- Comfortable to hold and intuitive to use with no training required – you just key in the volume you want and simply press to dispense
- Precise fingertip control (like a pipette) for drop by drop dispensing or preset with larger auto volumes to speed up the regular filling of larger containers
- Very simple and easy to set up straight out of the box



Designed to  
make your  
life easier

### Process Flow PURELAB flex (with Purification Pack, UV and TOC)



**ELGA**

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WATER  
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### Treated Water Specifications

MODEL	PURELAB flex	PURELAB flex (with Purification Pack)	PURELAB flex (with UV, Purification Pack and TOC)
Delivery flow rate – maximum	Up to 2 l/min	Up to 2 l/min	Up to 2 l/min
Inorganics (resistivity @25°C)	As per feedwater	18.2 MΩ-cm	18.2 MΩ-cm
Organics (TOC) - typical	Dependant on feedwater	Dependant on feedwater	<5ppb <sup>1</sup>
Bacteria – typical (when fitted with POU Filter)	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml
Bacteria – typical (when fitted with Biofilter)	<1 CFU/10 ml	<1 CFU/10 ml	<1 CFU/10 ml
Endotoxin (when fitted with Biofilter)	N/A	<0.001 EU/ml	<0.001 EU/ml
DNase (when fitted with Biofilter)	N/A	N/A	0.002 ng/ml
RNase (when fitted with Biofilter)	N/A	N/A	<20 pg/ml

*The PURELAB flex can be upgraded to PURELAB flex with Purification Pack, but cannot be upgraded to PURELAB flex with UV, Purification Pack and TOC.*

*The PURELAB flex with Purification Pack cannot be upgraded to PURELAB flex with UV, Purification Pack and TOC.*

<sup>1</sup>Dependant on feedwater.

### Dimensions and weights

Dimensions	Width 236mm, Depth 374mm, Height minimum 900mm, Height maximum 1020mm		
Operational weight	10kg (22lb)	10.5kg (23.1lb)	11kg (24.2lb)
Installation	Bench/wall	Bench/wall	Bench/wall

### Feedwater Requirement

Source	Originally from potable supply, then pre treated. Preferably reverse osmosis (RO) or filtered service deionization (SDI) or distilled. Note: mixed bed or twin bed deionized supplies should be cation limited at exhaustion.		
Conductivity <sup>2</sup>	<1 µS/cm	<1 µS/cm	<1 µS/cm
<b>Contaminant</b>			
Free chlorine	<0.05 ppm	<0.05 ppm	<0.05 ppm
Carbon Dioxide	<0.1 ppm	<0.1 ppm	<0.1 ppm
Silica	<2 ppm	<2 ppm	<2 ppm
Fouling index	1 for all models.		
Particulates	A 0.2 micron membrane pre filter is recommended for all non-RO feeds to extend point-of-use filter life.		
Organics (TOC)	NA	NA	<20 ppb
Temperature	4 - 40°C (Recommended 15 - 25°C)		
Flowrate (requirement at 15°C)	>2 l/min	>2 l/min	>2 l/min
Drain requirements (gravity fall with air gap)	None required		

### Feedwater Pressure

Maximum	30psi (2bar)	30psi (2bar)	30psi (2bar)
Minimum	Flooded suction	Flooded suction	Flooded suction

<sup>2</sup>If feedwater is in the range of 1 µS/cm – 30 µS/cm you will need a pre-conditioning cartridge.

### Electrical Requirements

Mains Input	100-240V ac, 50-60Hz
System control voltage (not including pumps and UV)	24V dc

ELGA LabWater

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