



PURELAB®

FLEX

Technical Sales Document

PURELAB® flex 1 & 2



Product Dimensions

	Metric	Imperial
Height	900-1020mm	35.4-40.1 inches
Width	236mm	9.3 inches
Depth	374mm	14.7 inches
Weight	11kg*	24.2lb*

Packaging Dimensions

	Metric	Imperial
Height	840mm	33.1 inches
Width	360mm	14.2 inches
Depth	650mm	25.6 inches
Weight	14kg	30.9 lb

PURELAB® flex 3 & 3+



Product Dimensions

	Metric	Imperial
Height	900-1020mm	35.4-40.1 inches
Width	236mm	9.3 inches
Depth	470mm	18.5 inches
Weight	23kg*	57.3 lb*

Packaging Dimensions

	Metric	Imperial
Height	840mm	33.1 inches
Width	360mm	14.2 inches
Depth	650mm	25.6 inches
Weight	19kg	41.9 lb

*Operational weight

Water Specification



	PURELAB flex 1	PURELAB flex 2	PURELAB flex 3	PURELAB flex 3+
Daily volume	-	>10	<10	<10
Resistivity (MΩ.cm)	Dependent on feedwater	18.2	18.2	18.2
TOC (ppbC)	Dependent on feedwater	<5*	<5	<5
TVC (CFU/ml)	0.1*	0.001*	0.001*	0.001*
Endotoxins (EU/ml)	0.001**	0.001**	0.001**	0.001**
DNase (pg/ml)	N/A	<5	<5	<5
RNase (pg/ml)	N/A	<1	<1	<1
Flow rate (l/min)	2	2	2	2

*dependent on feedwater

Feedwater

Feedwater	PURELAB flex 1	PURELAB flex 2	PURELAB flex 3	PURELAB flex 3+
Fouling index (max)	<1	<1	<10	<10
Free Chlorine	<0.05 ppm max		<0.5 ppm max	
TOC	N/A		<2ppm	
Carbon dioxide	<0.1ppm		<30 ppm (recommended <20 ppm)	
Silica (recommended max)	<2ppm		<30ppm	
Particulates	5-10 µm		N/A	
Temperature	4-40o C (Recommend 10-15o C)			
Flowrate (maximum requirement)	>2 l/min (0.5 USG)		Up to 75 l/hr (20 USG)	
Drain requirements	None required		<90 l/hr (23 USG)	
Feedwater pressure	1.5 bar (22 psi)		1.5 bar (22 psi)	

Size & Weight

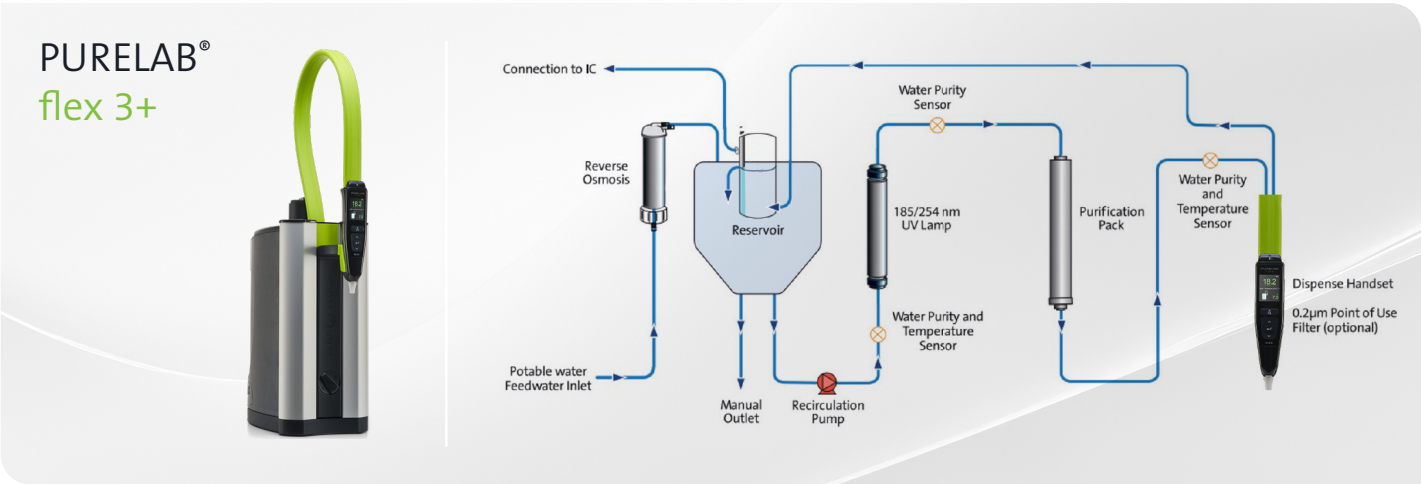
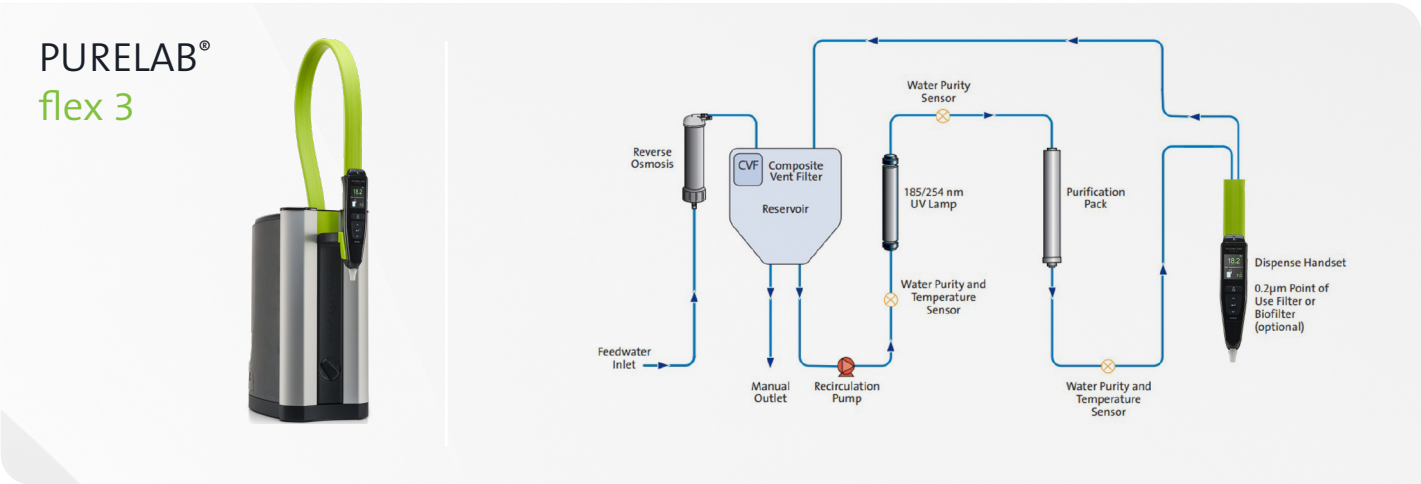
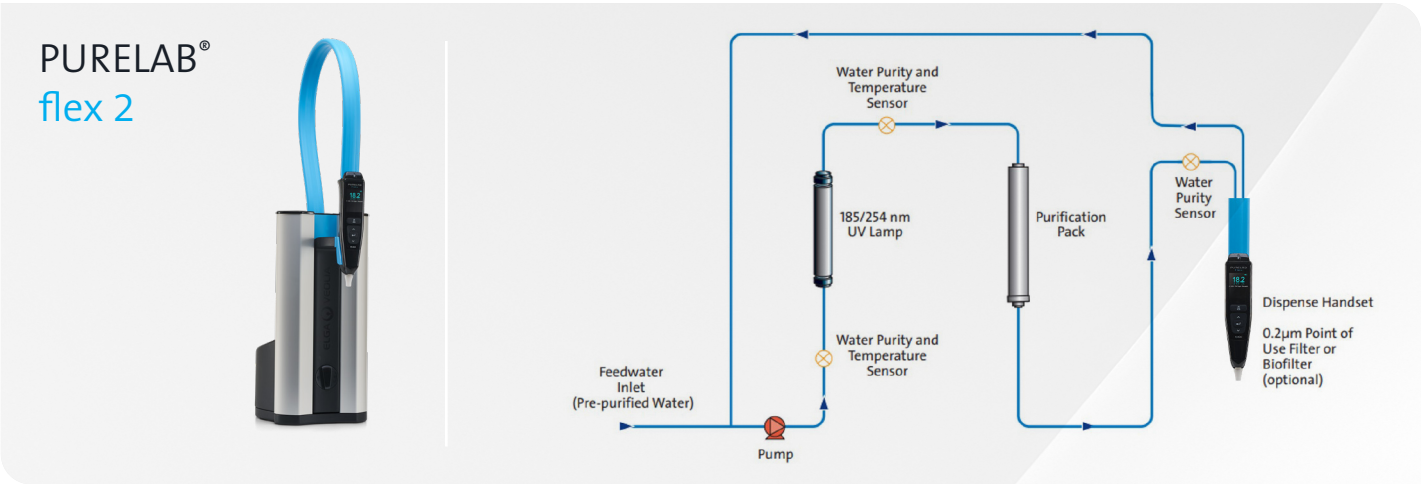
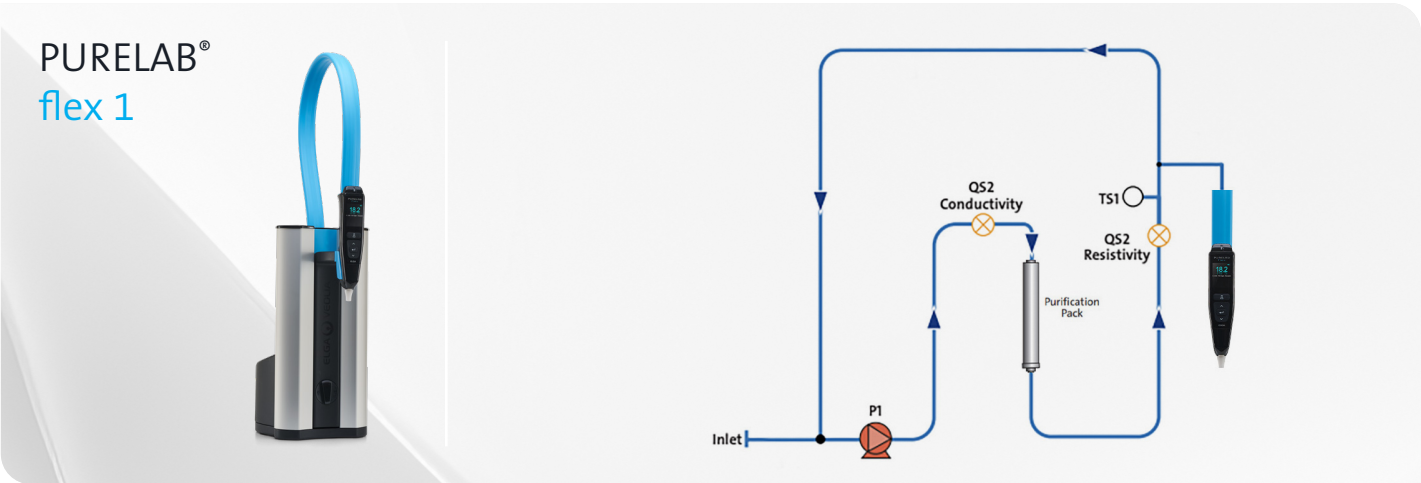
	PURELAB flex 1	PURELAB flex 2	PURELAB flex 3	PURELAB flex 3+
Dimensions	Height 900-1020mm Width 236mm Depth 374mm		Height 900-1020mm Width 236mm Depth 470mm	
Weight	10kg (22lbs)	11kg (24.2lbs)	23kg (57.3lbs)	23kg (57.3lbs)

* With LC134/145/197 POU filter/Biofilter

** With LC197 Biofilter 1 Dependent on feedwater

Product

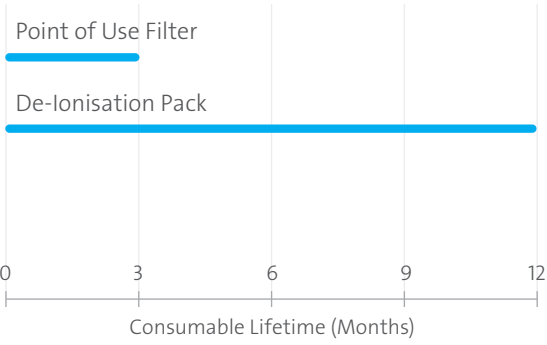
Flow Diagram



Product



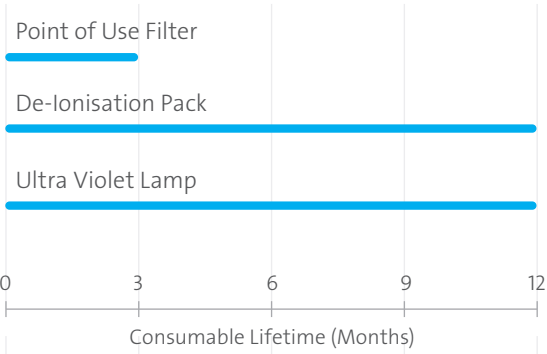
Consumables



What's in the box

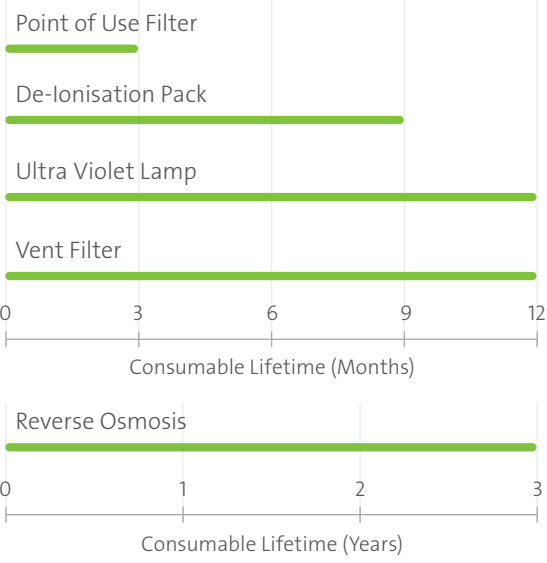
- STANDARD**
- Quick Start Guide
 - Installation Kit
 - Power Supply

- OPTIONAL**
- De-Ionisation Pack
 - Point of Use Filter



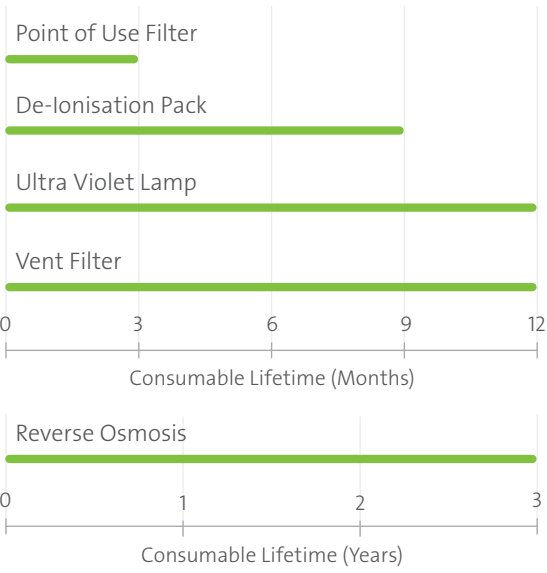
- STANDARD**
- Quick Start Guide
 - Installation Kit
 - Power Supply
 - Ultra Violet Lamp

- OPTIONAL**
- Point of Use Filter



- STANDARD**
- Quick Start Guide
 - Installation Kit
 - Power Supply
 - Ultra Violet Lamp
 - Reverse Osmosis

- OPTIONAL**
- Point of Use Filter



- STANDARD**
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Product Part Codes

	PURELAB flex 1	PURELAB flex 2	PURELAB flex 3	PURELAB flex 3+
Part Number	PF1-M3	PF2-M3	PF3-M3	PF3+-M3

Accessories Part Codes

Part Number	Description	PURELAB flex 1	PURELAB flex 2	PURELAB flex 3	PURELAB flex 3+
LA731	Pre-conditioning kit (DI pack not included)	Y	Y		
LA732	Foot Switch	Y	Y	Y	Y
LA734	Leak Detector			Y	Y
LA735	Wall mounting kit	Y	Y	Y	Y
LA652	Pressure regulator	Y	Y	Y	Y
LA728	Bypass pack	Y	Y	Y	Y
LA736	BMS Kit	Y	Y	Y	Y
LA822	Hubgrade	Y	Y	Y	Y

Consumable Part Codes

Part Number	Description	PURELAB flex 1	PURELAB flex 2	PURELAB flex 3	PURELAB flex 3+	Typical Service Life*
LC208	Purification Pack	Y	Y			12 Months
LC210	185/254nm UV Lamp		Y	Y	Y	12-18 Months
LC209	Sanitisation Pack	Y	Y	Y	Y	N/A
LC209-M2	Sanitization pack- Single use Tablet Sanitization	Y	Y			N/A
LC209-US	Sanitization pack - Liquid Sanitization US	Y	Y			N/A
LC197	POU Biofilter – Endotoxin Removal	Y	Y	Y	Y	90 Days
LC145	POU 0.2µ Microfilter	Y	Y	Y	Y	90 Days
LC211	DI Pack for LA731 Pre-conditioning kit	Y	Y			Dependent on Feed
LC214	Purification Pack			Y	Y	6 months
LC216	Composite Vent Filter			Y	Y	12 Months
LC309	RO assembly			Y	Y	Typically 2-3 years

*Service Life is an estimate only, and will depend on the application and feed water quality. Please take care to ensure you order the correct consumable items.