



# PURELAB Option-S/R 30/60

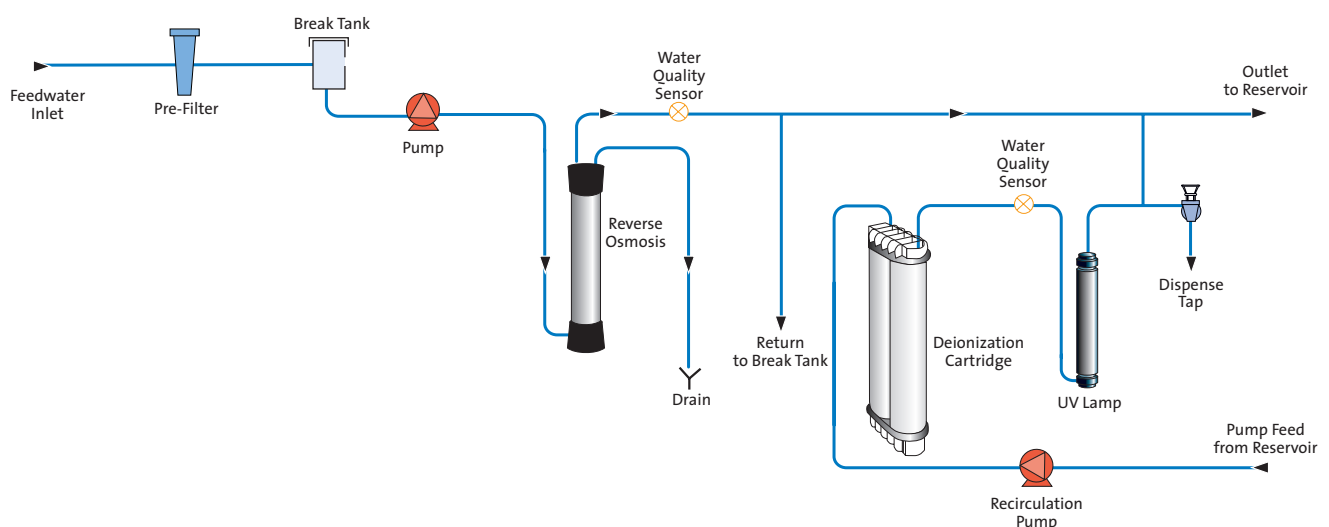
The PURELAB Option provides Type II pure water on demand at higher flow-rates of up to 60 liters per hour. Applications range from glassware washing to tissue and cell culture and media preparation. The PURELAB Option-R provides additional bacteria and inorganic quality for your more critical applications.

- Delivers market leading microbial performance. In addition to simple sanitization and composite vent filtration, the PURELAB Option-R system is the only fully recirculating Type II system on the market, ensuring high specification water
- Features 'RO feed optimized' resin mixes to increase the ion exchange capacity of consumables and minimize running costs
- Quick and easy sanitization and replacement of consumables to reduce maintenance time
- PURELAB Option systems are designed to be easy to access whether wall or bench mounted with a convenient dispense tap



Type II pure water  
on demand at  
higher flow-rates

### Process Flow PURELAB Option-R 30/60



### Treated Water Specifications

Model	Option-S 30	Option-S 60	Option-R30	Option-R 60
Make up rate <sup>1</sup>	30 l/hr	60 l/hr	30 l/hr	60 l/hr
Dispense rate from tap			1.0 l/min-nominal (less with POU filter)	1.0 l/min-nominal (less with POU filter)
<b>Purity:</b>				
Inorganics @ 25°C	1 – 15 MΩ-cm	1 – 15 MΩ-cm	5 – 15 MΩ-cm	5 – 15 MΩ-cm
Total organic carbon (TOC)	<50 ppb	<50 ppb	<20 ppb	<20 ppb
Bacteria <sup>2</sup>	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml
pH	Effectively neutral	Effectively neutral	Effectively neutral	Effectively neutral
Ion/organic cartridge capacity	175,000 liters >1 MΩ-cm μS/cm at pH7 <sup>3</sup>	175,000 liters >1 MΩ-cm μS/cm at pH7 <sup>3</sup>	165,000 liters >5 MΩ-cm μS/cm at pH7 <sup>3</sup>	165,000 liters >5 MΩ-cm μS/cm at pH7 <sup>3</sup>

<sup>1</sup> Subject to suitable feedwater <sup>2</sup> Subject to suitable operating procedures <sup>3</sup> Conductivity of feed to Deionization Cartridge (RO Quality)

### Dimensions and weights

Height	740mm	740mm	740mm	740mm
Width	570mm	570mm	570mm	570mm
Depth	320mm	320mm	320mm	320mm
Weight (operational)	52kg	53kg	53kg	54kg

### Feedwater Requirements

Source quality	Potable mains water supply
Fouling index - maximum	10
Total dissolved solids - maximum	2000μS/cm*
Free chlorine - maximum	<0.5 ppm
Heavy metals - maximum	0.05 ppm
Temperature	1 - 35°C
Flowrate (maximum requirement)	9 l/min
Feedwater pressure maximum	6.0 bar (90 psi)
Feedwater pressure minimum	1.4 bar (20 psi)

\* Deionization cartridge life may vary with feedwaters >1400 μS/cm

### Electrical Requirements

Mains input	230V ac, 50Hz 115V ac, 60Hz 100V ac, 50/60Hz
Power consumption with boost pump	700VA
Fuses	2 x 3.15 Amp – 230V ac, 50Hz 2 x 6.3 Amp – 115V ac, 60Hz
Reservoir level connection	Din plug 6 way
Noise level	<52dBA

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