

PURELAB

ANALYTICAL RESEARCH



PURELAB Option-S/R 30/60

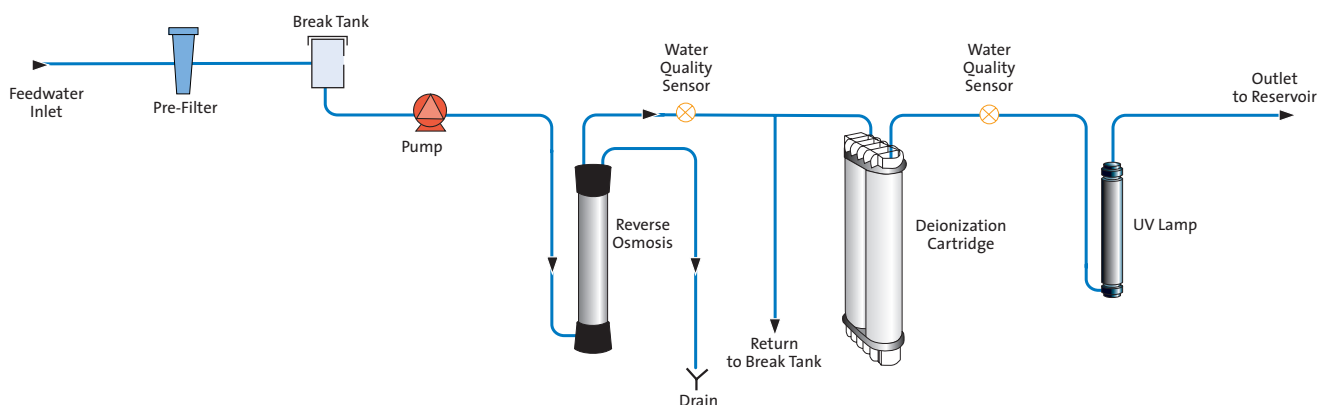
The PURELAB Option provides pure water on demand at higher flow-rates of up to 60 liters per hour. Applications range from glassware washing to tissue and cell culture and media preparation. The PURELAB Option-R provides additional bacteria and inorganic quality for your more critical applications.

- Quick and easy sanitization and replacement of consumables to reduce maintenance time
- Features 'RO feed optimized' resin mixes to increase the ion exchange capacity of consumables and minimize running costs
- 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
- PURELAB Option systems are designed to be easy to access whether wall or bench mounted with a convenient dispense tap



Pure water
on demand
at higher
flow-rates

Process Flow PURELAB Option-R 30/60



ELGA

 **VEOLIA**
WATER
Solutions & Technologies

Treated Water Specifications

Model	Option-S 30	Option-S 60	Option-R30	Option-R 60
Make up rate ¹	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)
Purity:				
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 ²	<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 ³	175,000 liters >1 MΩ-cm μS/cm at pH7 ³	165,000 liters >5 MΩ-cm μS/cm at pH7 ³	165,000 liters >5 MΩ-cm μS/cm at pH7 ³

¹Subject to suitable feedwater ² Subject to suitable operating procedures ³ 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	1000μS/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)

Electrical Requirements

Mains input	230V ac, 50Hz 115V ac, 60Hz 100Vac 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

ELGA LabWater

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