



# PURELAB

## ANALYTICAL RESEARCH

### Treated Water Specifications

Model	Option-S 7	Option-S 15	Option-R 7	Option-R 15
Make up rate <sup>1</sup>	7.5 l/hr	15 l/hr	7.5 l/hr	15 l/hr
Dispense rate from tap			1.0 l/min-nominal (less with POU filter)	1.0 l/min-nominal (less with POU filter)
Daily output (nominal max) <sup>1</sup>	180 l/24 hour day	360 l/24 hour day	180 l/24 hour day	360 l/24 hour day
Output reverse pressure (max) <sup>2</sup>	0.1 bar (1 psi)	0.1 bar (1 psi)	0.1 bar (1 psi)	0.1 bar (1 psi)
<b>Purity:</b>				
Inorganics@ 25°C	1 to >10 MΩ-cm	1 to >10 MΩ-cm	10 to >15 MΩ-cm	10 to >15 MΩ-cm
Total organic carbon (TOC)	<30 ppb	<30 ppb	<20 ppb	<20 ppb
Bacteria <sup>2</sup>	n/a	n/a	<1 CFU/ml	<1 CFU/ml
pH	Effectively neutral	Effectively neutral	Effectively neutral	Effectively neutral
Particles	n/a	n/a	Optional 0.2µm POU filter	Optional 0.2µm POU filter

<sup>1</sup> Standard conditions are 4 bar inlet pressure, 0 bar back pressure at 15 degrees centigrade, fed with potable water and a clean pre-treatment cartridge.

<sup>2</sup> Subject to suitable feedwater

### Dimensions and weights

Height	460mm (18.1in)	460mm (18.1in)	460mm (18.1in)	460mm (18.1in)
Width	410mm (16.1in)	410mm (16.1in)	550mm (21.7in)	550mm (21.7in)
Depth	270mm (10.6in)	270mm (10.6in)	270mm (10.6in)	270mm (10.6in)
Weight with internal boost pump	16kg (35lb)	16.5kg (36lb)	20kg (44lb)	21kg (46lb)
Weight without internal boost pump	13.5kg (30lb)	14.5kg (32lb)	18kg (40lb)	19kg (42lb)

### Feedwater Requirements

Source Quality	Potable mains water supply			
Fouling index - maximum	10	10	10	10
Conductivity*	<2000 µS/cm	<2000 µS/cm	<2000 µS/cm	<2000 µS/cm
Free chlorine - maximum	0.5 ppm	0.5 ppm	0.5 ppm	0.5 ppm
Heavy metals - maximum	0.05 ppm	0.05 ppm	0.05 ppm	0.05 ppm
Silica - maximum	30 ppm	30 ppm	30 ppm	30 ppm
Temperature	1 - 35°C	1 - 35°C	1 - 35°C	1 - 35°C
Flowrate (maximum requirement)	78 l/hr	85 l/hr	78 l/hr	85 l/hr
Drain requirements (gravity fall with air gap). Maximum during service	70 l/hr			
<b>Feedwater Pressure</b>				
Maximum - without internal boost pump	6.0 bar (90 psi)			
Minimum - without internal boost pump	4.0 bar (60 psi)			
Maximum - with internal boost pump	2.0 bar (30 psi)			
Minimum - with internal boost pump	Flooded Suction	Flooded Suction	Flooded Suction	Flooded Suction

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

### Electrical Requirements

Mains input	100-240V ac, 50-60Hz	100-240V ac, 50-60Hz	100-240V ac, 50-60Hz	100-240V ac, 50-60Hz
System voltage	24V dc	24V dc	24V dc	24V dc
Power consumption with boost pump	43VA	43VA	80VA	80VA
Power consumption without boost pump	19VA	19VA	50VA	50VA
Fuses	2 x T3.15 Amp	2 x T3.15 Amp	2 x T6.3 Amp	2 x T6.3 Amp
Reservoir level connection	Jack Plug 3.5mm	Jack Plug 3.5mm	Jack Plug 3.5mm	Jack Plug 3.5mm
Noise level	<45dBA	<45dBA	<45dBA	<45dBA

ELGA LabWater

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