

PURELAB

ANALYTICAL RESEARCH



PURELAB UHQ

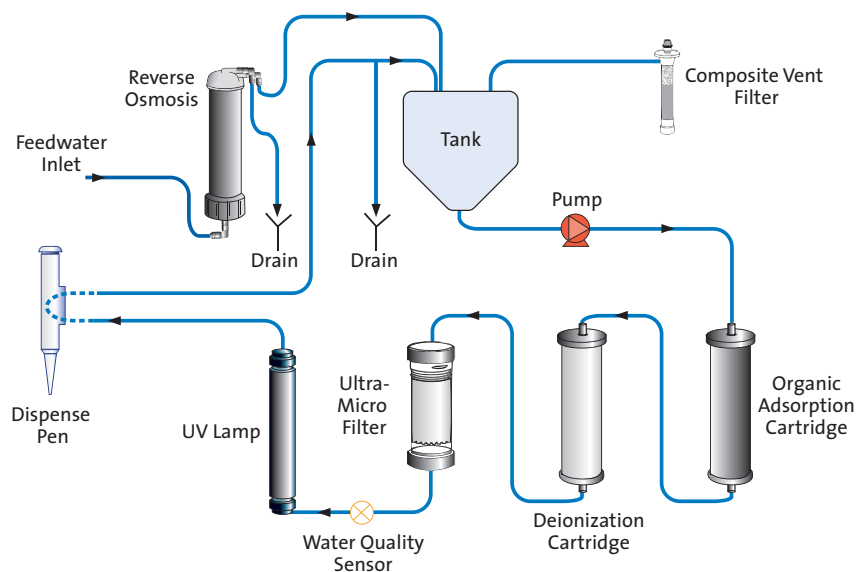
The PURELAB UHQ is designed to supply lower volumes of ultra-high purity water. This personal compact system is very easy to use and provides up to 10 liters per day of purified water.

- Available in two versions:
 - The PURELAB UHQ II can produce ultra-pure water directly from a potable water (tap water) feed
 - The PURELAB UHQ PS excludes the Reverse Osmosis (RO) and produces ultra-pure water from a pre-purified feed
- Dispense rate of 0.75 liters per minute



The personal compact system for ultra-pure water

Process Flow PURELAB UHQ II



Treated Water Specifications

Model	UHQ II	UHQ PS
Inorganics @ 25°C	Up to 18.2 MΩ-cm	Up to 18.2 MΩ-cm
TOC	<20 ppb	<20 ppb
Bacteria	<1 CFU/ml	<1 CFU/ml
Particles	0.05µm filtration	0.05µm filtration

Dimensions and weights

Height	400mm	400mm
Width	232mm	232mm
Depth	400mm	400mm
Weight	10kg (empty) / 14kg (full)	9kg (empty) / 13kg (full)

Feedwater Requirements

Source quality	Potable water free from turbidity and organics	Pre-purified water of <20µS/cm and filtered to at least 0.2µm
Total chlorine	< 0.1 ppm	-
Temperature	4 - 35°C	4 - 35°C
Flowrate (maximum requirement)	850 ml/min at 4 bar (60 psi) pressure	-
Drain requirements	1.0 liters/min gravity fall (for cleaning)	1.0 liters/min gravity fall (for cleaning)
Maximum inlet pressure	6 bar (90 psi)	6 bar (90 psi)
Minimum inlet pressure	2 bar (30 psi) – below this a separate water pressure boost pump is available	0.07 bar (1 psi)

Electrical Requirements

Mains input	230V ac, 50Hz 115V ac, 60Hz 100V ac, 50/60Hz	230V ac, 50Hz 115V ac, 60Hz 100V ac, 50/60Hz
Power consumption	77VA	77VA
Fuses	2 x 2.0 Amp	2 x 2.0 Amp
Noise level	<40dBA	<40dBA

ELGA LabWater

Tel: +44 (0) 1494 887500 Fax: +44 (0) 1494 887505

Email: info@elgalabwater.com Website: www.elgalabwater.com

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