

LabPure™



The centralised laboratory purified water system for a suite of laboratories or a complete building

Environmental Water Systems (UK) Ltd introduce their new integrated Reverse Osmosis, ultraviolet light and filtration system capable of producing laboratory or analytical grade water which is distributed to a number of points of use via a pipework ringmain. The water can be used directly or further purified.

- Meets BS 3978, ASTM, NCCLS, ISO3696 standards for Type III grade water
- For demands from 200 - 1000 l/day
- High recovery RO for significant water savings and running costs
- Integrated 254nm UV lamp and 0.2 micron filter for constant bacterial control
- Integral treated water tank
- Variable flow distribution/recirculation pump to meet variable distribution loop lengths
- Microprocessor controlled
- Compact system the size of a three drawer filing cabinet

The LabPure is a compact water system capable of providing general grade laboratory water suitable for the following typical applications:

- Final rinse of glassware
- Hydroponics
- Feed to laboratory equipment (autoclaves, weathering and stability chambers)
- Feed to Ultra Pure polishing unit
- General reagent preparation

www.reverseosmosis.co.uk

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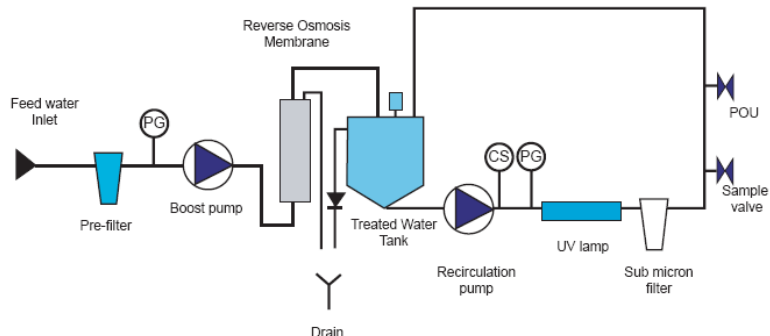
Environmental Water Systems
Total Capability in Water Purification and Water Recovery

Directors: M R Tanswell, H Tanswell, D Spriggs



LabPure™

Flow diagram



Technical specifications

Performance specifications

Conductivity	Typically < 30 $\mu\text{S}/\text{cm}$
Organics	(> 100 daltons) 99% removal
Bacteria	< 100 CFU/100ml
Endotoxin	< 0.25 EU/ml
Particles	< 0.2 microns

Product specification

Product production rate @ 10o C	160 l/hr / 320 l/hr / 480 l/hr
Product delivery rate	Up to 20l/min
*Recovery rate (max)	75% (based on soft water feed)
Dimensions: H x W x D	1000mm x 600mm x 600mm
Shipping Weight (approx)	90 Kgs
Inlet pipe dimensions	1/2" BSP
Outlet pipe dimensions	1/2" BSP
Drain from RO	12mm
RO Pump motor	0.55 kW
Delivery/Recirculation pump	0.95 kW
Operational modes	Power On, RO On, Service, Water Good, Water Bad, Permeate and concentrate flows, Inlet, Outlet and RO pressures

Feed water specifications

General	Potable water free from organics, colloids and suspended matter
Total Dissolved Solids	< 1000mg/l
Free Chlorine	< 0.1ppm
Temperature	5-40o C
Pressure	2-6 bar
Silt Density Index	< 3 SDI units

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