

advaitaaTM
green energy

AQUA

Waste Water Recycling Solutions





ecoAQUA- 01

Ultra-filtration Portable System

The **ecoAQUA** Ultra-filtration system recycles waste water into non-potable reusable water that can be applied for multiple purposes.

Ultrafiltration (UF) is used in this system to remove suspended solid, colloidal material, high molecular weight material, bacteria, oil and grease. Ultrafiltration (UF) is used to remove essentially all colloidal particles and suspended particles (0.01~0.05 microns) from water.

Filtering of a Ultrafiltration range of 0.01~0.05 microns, the product water is clear reusable water with typical total suspended solids count below 1 mg/litre and turbidity measurement of less than 0.1 NTU.

Operating Specifications

Configuration	Hollow Fibre 'U' Type
Operation Process	Dead-end filtration (Out to In) Air scouring with backflush (In to Out)
Recovery	90 ~ 95%*
Operating Temperature	<50°C
Operating Pressure (TMP)	< 8 psi (Feed) < 14 psi (Backflush)
Flow Rate (Per membrane)	
City Water	4.0m ³ /h (56gfd)*
River/Bore	2.5m ³ /h (35gfd)*
Treated WasteWater	1.5m ³ /h (21gfd)*
Product Turbidity	<0.1 NTU*
Electrical Power	230/110v; 50/60Hz; 5/10A; Single Phase
Dimensions (LxWxH)	0.8m x 0.7m x 2.1m
Weight	80 kg

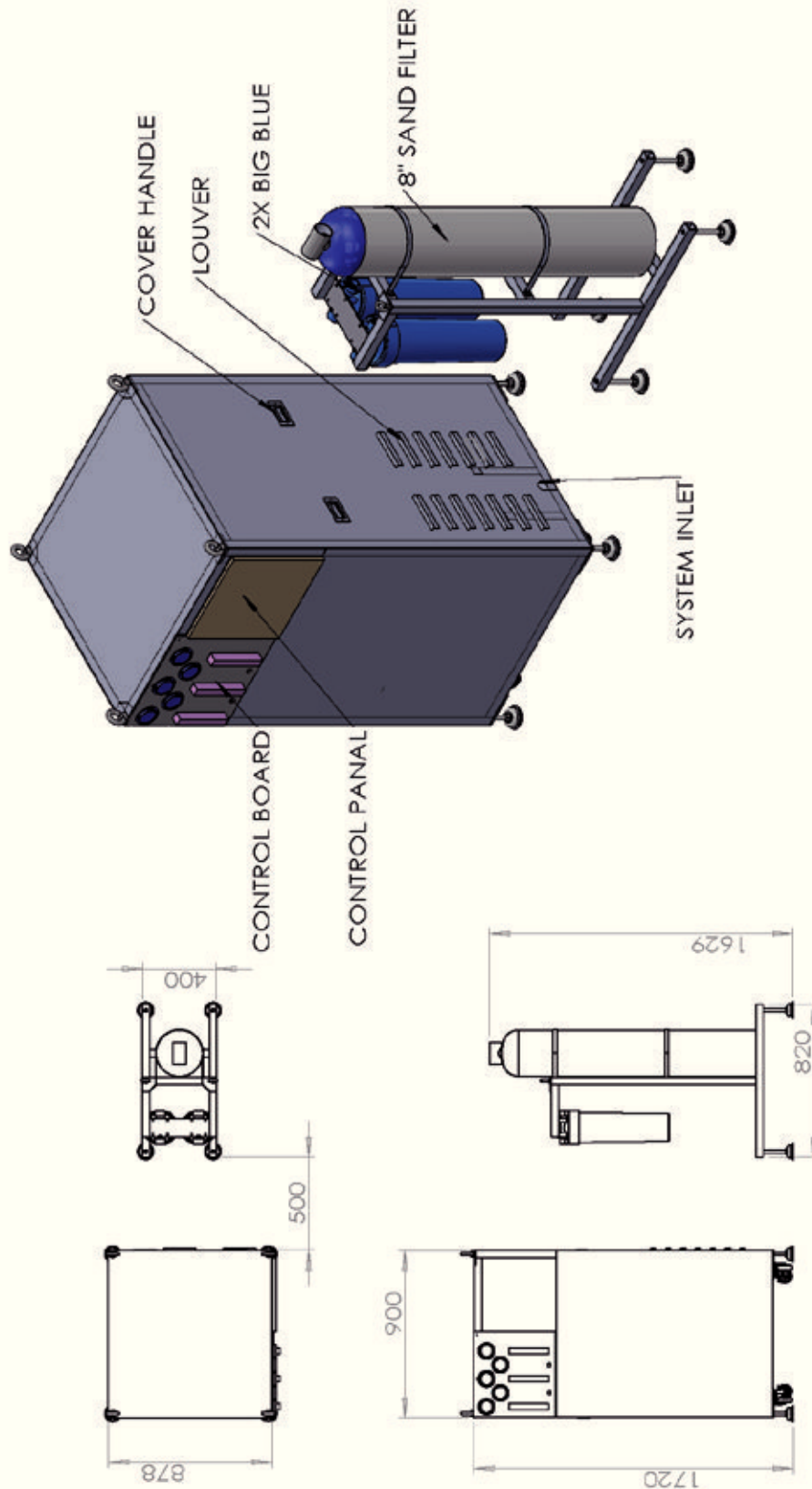
Note: LYFPOD reserves the right to make any changes to the information provided above without notice





ecoAQUA- 02

RO SKID 2D Drawing for 10 tonne & 20 tonne system





ecoAQUA- 03

Plug & Play Wastewater System

The **ecoAQUA** Plug & Play wastewater system treats all kinds of waste water and allows them to be safely discharged through the sewers, adhering to the local sewage and drainage regulations.

According to each customer's wastewater contents, our **ecoAQUA** Plug & Play system will be customized to allow a chemical oxygen demand (COD) reduction of more than 90%.

Operating Specifications

Capacity	50M ³ /day
Operating Temperature	10°C--45°C
Membrane TMP	<5 psi (Backflush<14 psi)
Feed Water	COD 5,000mg/L(max) TSS 500mg/L(max)
Product Water	COD >90% Reduction Turbidity <1.0 NTU
Power Requirement	415V / 50Hz ; 3Phase
Dimensions (LxWxH)	6m x 2.4m x 2.4m
Shipping Weight	Approx. 4,500kg

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Advantages of AQUA SYSTEMS

- > Water Conservation
- > High-speed Performance
- > Water Bills Reduction
- > Low Energy Consumption
- > Compact & Portable System
- > User-Friendly Operation with Fully Automated System
- > High Quality Product