



Reverse osmosis is a process for treating water and wastewater to clean it and reduce dissolved solids, heavy metals, organic matter and other contaminants. This water purification process is particularly beneficial in locations where a constant supply of high-quality fresh water is limited.

### 5m<sup>3</sup>/hr Reverse Osmosis System:

- 1 x 5000 litre balance tank c/w level control
- 1 x Low Pressure Booster Pump c/w isolation valves
- 1 x pH Correction Dosing System
- 1 x Anti-Scalant Dosing System
- 1 x 5 - micron Cartridge Filter Unit c/w isolation valves
- 1 x High Pressure Pump c/w isolation valves
- 1 x Reverse Osmosis Membrane Column consisting of 10 x 8 inch RO Membranes
- 1 x RO Instrumentation consisting of pressure transducers and flow meters
- 1 x Control Panel consisting of RO Controller with full automation
- 1 x RO Clean in Place System
- High pressure pipework in high grade stainless steel
- Low pressure pipework in uPVC - all components are fully skid mounted

