

EcoRange

EcoRO-2000 Reverse Osmosis



EcoRO is a high-performing reverse osmosis system. Generate high purity water streams, safely, efficiently and effectively using the latest state of the art low energy membranes.

EcoRO-2000 Reverse Osmosis units produce from 600 to 3,300 l/hr flow rates of high purity water for pharmaceutical, electronics, boiler feed and general manufacturing applications.

Reverse Osmosis (RO) is a broad purification process, removing a high proportion of most impurities. The systems can remove up to 98% of dissolved inorganics and over 99% of total dissolved organics, colloids and particles.

The flexible design of the EcoRO Reverse Osmosis systems can accommodate different membranes to suit different applications.



Features and Benefits

- High efficiency, low energy membranes
- Low operating costs and total cost of ownership, particularly when used with Envirogen consumables
- Pre-packaged, skid-mounted system minimises installation, commissioning and start-up time
- Easy operation with a simple-to-use control panel
- Removal of 99% of suspended and colloidal solids, dissolved ions and organic compounds
- Removal of 99.9% of viruses, bacteria and pyrogens
- Built with high quality components and fully stainless steel versions to meet hygienic conditions
- Bespoke configurations to meet every requirement
- Options for water softener feed and antiscalant dosing
- Nationwide network of after sales service and support ensures that your water systems are maintained in optimal operational condition efficiency thus reducing operating costs
- Up to 90% water recovery option

Technical Specification

Range/Model		EcoRO-2010	EcoRO-2020	EcoRO-2030	EcoRO-2040	EcoRO-2060	EcoRO-2080
Capacity*	l/hr	600	1200	1700	2300	2800	3300
Maximum recovery	%	75	75	75	75	75	75
Salt rejection	%	96-98	96-98	96-98	96-98	96-98	96-98
Typical water quality*	µS/cm	<30	<30	<30	<30	<30	<30
Electrical Supply	V/Hz	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Power consumption	kW	2.2	2.2	4	4	4	4
Inlet pipe diameter	inches	3/4	3/4	3/4	3/4	1	1
Concentrate outlet diameter	inches	3/4	3/4	3/4	3/4	1	1
Permeate outlet diameter	mm	14	14	14	14	14	14
Feed water pressure	bar	3/7	3/7	3/7	3/7	3/7	3/7
Dimensions: Depth	mm				720		
Dimensions: Width	mm				760		
Dimensions: Height	mm				1690		
Maximum water temp	°C	25	25	25	25	25	25

*Dependent on the water quality. The stated data is nominal and based on a potable feed water supply with a maximum total dissolved solids level of 500 mg/l, a minimum temperature of 10°C and a 3 bar inlet pressure.

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