

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-2700 Reverse Osmosis units produce from 6 to 20 m³/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
- Clean in place (CIP) unit
- Membrane monitoring
- 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
- Remote service monitoring options
- Automatic conductivity and or timer controlled membrane flushing

Technical Specification

Range/Model		EcoRO-2710	EcoRO-2720	EcoRO-2730	EcoRO-2740	EcoRO-2750	EcoRO-2760	EcoRO-2780
Capacity*	m ³ /hr	6	8	10	12	14	16	20
Maximum recovery	%	75	75	75	75	75	75	75
Salt rejection	%	96-98	96-98	96-98	96-98	96-98	96-98	96-98
Typical water quality*	µS/cm	<30	<30	<30	<30	<30	<30	<30
Electrical Supply	V/Hz	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Power consumption	kW	11	11	11	15	15	15	15
Inlet pipe diameter	DN	50	50	50	50	50	50	50
Concentrate outlet diameter	DN	50	50	50	50	50	50	50
Permeate outlet diameter	mm	50	50	50	50	50	50	50
Feed water pressure	bar	3/7	3/7	3/7	3/7	3/7	3/7	3/7
Dimensions: Depth	mm				1015			
Dimensions: Width					3800			
Dimensions: Height					1800			
Maximum water temp	°C	25	25	25	25	25	25	25

*Nominal, 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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