



ECORO-2500

REVERSE OSMOSIS

DATA SHEET



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.

The Envirogen EcoRO-2500 Reverse Osmosis units produce from 3,100 to 6,200 l/hr flow rates of high purity water for pharmaceutical, electronics, boiler feed and general manufacturing applications.

Reverse Osmosis (RO) is a very 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

ADDITIONAL FEATURES

- Clean in place (CIP) unit
- Membrane monitoring
- Remote service monitoring options
- Automatic conductivity and or timer controlled membrane flushing

TECHNICAL SPECIFICATION

Range/Model		EcoRO 2510	EcoRO 2520	EcoRO 2530	EcoRO 2540
Capacity*	l/hr	3100	4300	5100	6200
Maximum recovery	%	75			
Salt rejection	%	96-98			
Typical water quality*	µS/cm	<30			
Electrical Supply	V/Hz	3x400/50			
Power consumption	kW	5.5			
Inlet pipe diameter	inches	1 1/2			
Concentrate outlet diameter	inches	1 1/4			
Permeate outlet diameter	mm	1			
Feed water pressure	bar	3/7			
Dimensions: Depth	mm	1300			
Dimensions: Width	mm	780			
Dimensions: Height	mm	1630			
Maximum water temp	°C	25			

*Depends on the feedwater 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.

ABOUT ENVIROGEN

Envirogen is a leading international provider of water and wastewater treatment solutions. We solve complex challenges relating to water availability and quality, and help our customers to increase productivity, reduce costs and meet environmental and sustainability targets.

We do this through offering:

- Best in class water and wastewater treatment and process filtration technology
- Expertise in design, project management and engineering
- World class manufacturing and servicing capability



UK HEADQUARTERS

Envirogen Group
Unit 9, Wimsey Way, Alfreton Trading Estate
Alfreton, Derbyshire, DE55 4LS
T: +44 (0) 1773 441029
E: enquiries@envirogengroup.com

EUROPEAN HEADQUARTERS

Envirogen Technologies bv
Penningweg 71, 1507 DG Zaandam, The Netherlands
T: +31 75 204 7200
E: NLinfo@envirogengroup.com

NORTH AMERICAN HEADQUARTERS

Envirogen Technologies
2627 Chestnut Ridge Road, Suite 200
Kingwood, TX 7733
T: 713.979.9142
E: info@envirogen.com

We have a network of regional sales and service teams worldwide:

UK and Europe: UK, The Netherlands, Germany, France, Italy.

USA: Texas, Tennessee, New Jersey, California, Nevada.

For further details, visit our website or contact our main office locations above.

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