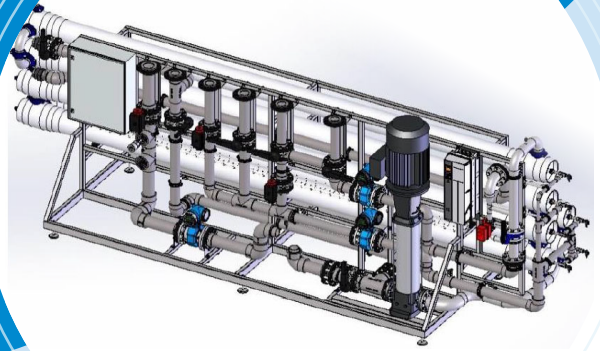




# ECORO-2900

## 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-2900 Reverse Osmosis units produce from 30 to 80 m<sup>3</sup>/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
- Membrane monitoring
- Built with high quality components and fully stainless steel versions to meet hygienic conditions
- Bespoke configurations to meet every requirement
- 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

## ADDITIONAL FEATURES

- Concentrate recovery system – maximum water efficiency increases the utilisation of the raw water up to 80-85 %
- Heated Clean-In-Place (CIP) unit – effective cleaning of the membranes
- Antiscalant dosing to prevent scaling of Reverse Osmosis membranes
- Remote control via web/GPRS & alarms via mail/SMS. Trend curves remotely accessible
- Alternative high pressure pump
- Alternative instrument package

## TECHNICAL SPECIFICATION

Range/Model		EcoRO 2930	EcoRO 2940	EcoRO 2950	EcoRO 2960	EcoRO 2970	EcoRO 2980
Capacity*	m <sup>3</sup> /hr	30	40	50	60	70	80
Recovery Rate	%	75					
Salt rejection	%	>98					
Electrical Supply	V/Hz	3x400/50					
Power consumption	kW	30	37	37	55	55	55
Inlet pipe diameter	mm	100	100	100	100	150	150
Concentrate outlet diameter	mm	80	80	100	100	100	100
Permeate outlet diameter	mm	65					
Feed water pressure	bar	3/07					
Dimensions: Depth	mm	5900	5900	6900	6900	6900	6900
Dimensions: Width	mm	1300	1550	1500	1500	1500	1575
Dimensions: Height	mm	2100	2150	2150	2200	2550	2550
Maximum water temp	°C	10					
Weight (dry)	Kg	908	980	1080	1190	1350	1550

\*For water quality of: 10°C, 3 bar, TDS ≤ 500 mg/l ± 15%, SDI ≤ 3.0, oxidants ≤ 0.05 mg/l.

## 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



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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.

[www.envirogen.com](http://www.envirogen.com)

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