



ECORO-2700

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-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 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
- 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
- Automatic conductivity and or timer-controlled membrane flushing
- 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
- Remote service monitoring options
- Up to 90% water recovery options

TECHNICAL SPECIFICATION

Range/Model		EcoRO 2710	EcoRO 2720	EcoRO 2730	EcoRO 2740	EcoRO 2750	EcoRO 2760	EcoRO 2770
Capacity*	m ³ /hr	6	8	10	12	14	16	20
Maximum recovery	%	75						
Salt rejection	%	96-98						
Typical water quality*	µS/cm	<30						
Electrical Supply	V/Hz	3x400/50						
Power consumption	kW	11	11	11	15	15	15	15
Inlet pipe diameter	DN	50						
Concentrate outlet diameter	DN	50						
Permeate outlet diameter	mm	50						
Feed water pressure	bar	3/7						
Dimensions: Depth	mm	1015						
Dimensions: Width	mm	3800						
Dimensions: Height	mm	1800						
Maximum water temp	°C	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.

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@envirogen.com

EUROPEAN HEADQUARTERS

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