

ENVIROGEN



ECO MULTIPRO DATA SHEET



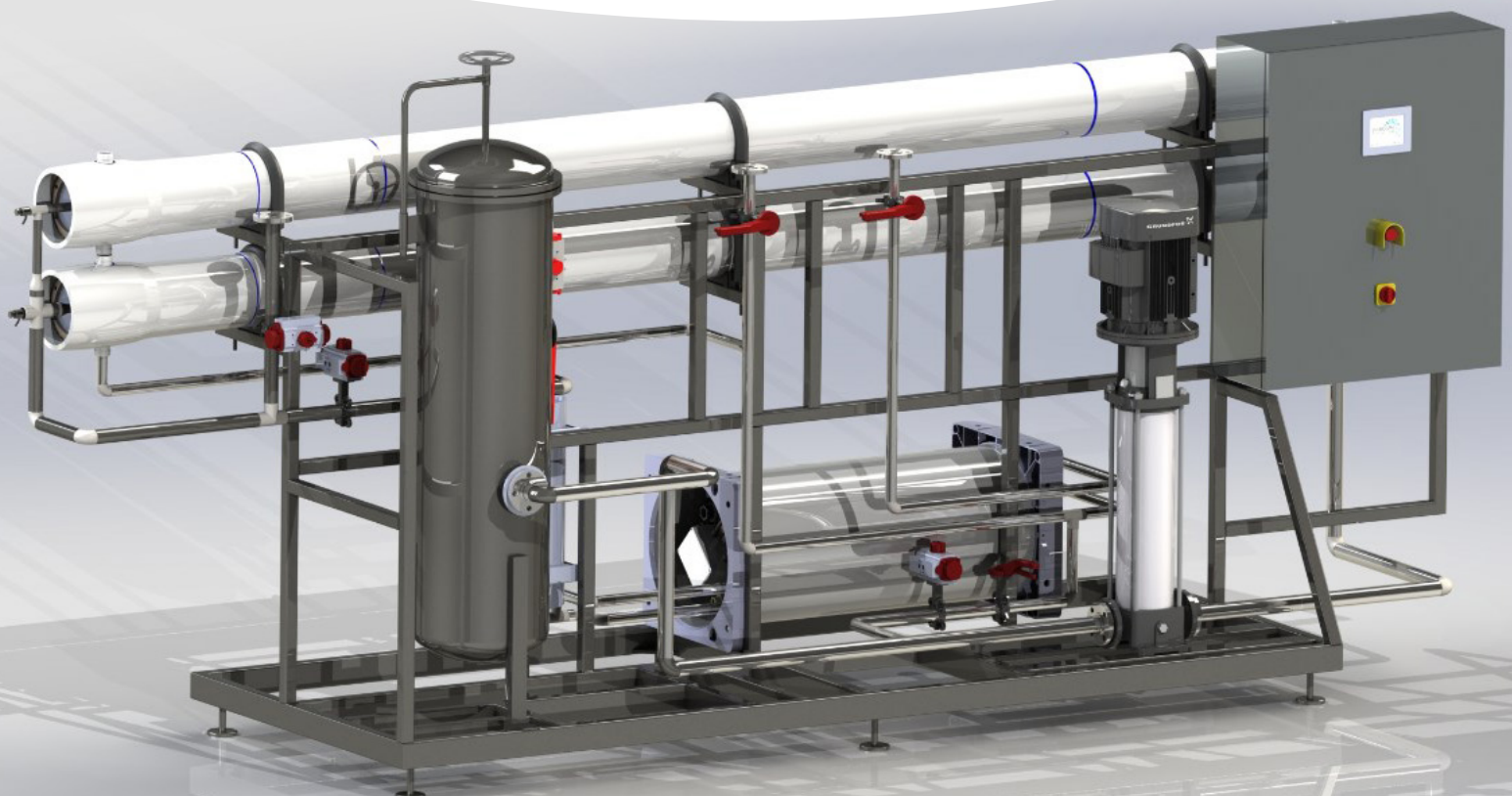
Eco MultiPro RO-EDI
*Augmented reality immersive product
visualisation: Scan this code to open
the 3D model on your device*

The Envirogen Eco MultiPro is a skid-mounted reverse osmosis and electrodeionisation water treatment system that delivers high purity water, with low operating costs, chemical free operation and a compact design to save space.

This multi-technology packaged solution is designed to provide continuous supplies of high-purity water, using a three-stage, chemical-free process, including combined RO technology followed by degas membrane contactors for CO₂ removal, and EDI system treatment.

Eco MultiPro has been developed for use where high purity water and low dissolved ion levels are required for flow rates of up to 15 m³/h*. Applications include ultrapure water generation for steam turbines and high pressure boilers, microelectronics production, general industrial needs, and pharmaceutical rinse water.

**Higher flow rates (greater than 15 m³/h) are available. Contact Envirogen for further information.*



FEATURES & BENEFITS

- Multi-technology design with high flow rate and small plant footprint
- Continuous operation with chemical free generation of ultra-pure water
- High efficiency, low energy RO membranes with water recovery rates of up to 98%
- Bespoke EDI controller to ensure EDI stack is monitored and operated effectively
- Degas membrane contactors for CO₂ removal
- PLC & HMI control system for intelligent monitoring and operational status indicators
- HMI has secure login to prevent accidental or unauthorised access
- Alarms for plant protection and historical diagnosis
- Remote monitoring via web/GPRS and alarms via email/SMS (trend curves remotely accessible)
- Built with high quality components and instrumentation package
- Skid mounted system for straight-forward integration, installation and commissioning
- Chemical free with low operating costs and total cost of ownership
- Service and maintenance with access to a network of nationwide after-sales support teams

ADDITIONAL FEATURES

- ABS/PVC/Polypropylene or Stainless Steel pipework
- Process specific instrumentation

TECHNICAL SPECIFICATION

Eco MultiPro Model		5	10	15
Nominal Permeate Performance*	m3/h (gpm)	5 (22)	10 (44)	15 ¹ (66)
Rejection Rate (Nom)**	%	96-98		
System Inlet Pressure (Min/Max)	Bar (PSI)	2.5-6 (36.3-87.0)		
Ambient Temperature	°C (°F)	5-35 (41-95)		
RO Membrane	Num	7	11	15
Degasser Membrane Contactor	Num	1	2	3
EDI Module	Num	1	1	1
Feed Water Inlet (Flange)	DN (Inch)	32 (1.25)	50 (2.00)	65 (2.50)
Permeate Outlet (Flange)	DN (Inch)	32 (1.25)		
Permeate Divert (Flange)	DN (Inch)	32 (1.25)		
EDI Concentrate Out (Flange)	DN (Inch)	25 (1.00)		
CIP Concentrate Out (Flange)	DN (Inch)	40 (1.50)		
Length	mm (Inch)	4758 (187.3)		
Width	mm (Inch)	1255 (49.4)		
Height	mm (Inch)	1871 (73.7)		
Weight (Dry) (approx.)	Kg/lbs	499 (1100)	574 (1265)	621 (1370)
Electrical Supply	V/ph/Hz	460/3+N/60		
Fuse Rating	A	40	50	73
Power Consumption	kW / A	25 / 37	30 / 44	41 / 60
Protection Class	IP	54		

* For water quality of 10°C(50°F), 3.0 Bar, TDS ≤ 500mg/l ± 15%, SDI ≤ 3.0, oxidants ≤ 0.5 mg/l. ** Based on water quality of TDS ≤ 500 mg/l, with softening as a pre-treatment.
¹Higher flow rates (greater than 15 m³/h) are available. Contact Envirogen for further information.

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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