



ENVIROGEN

ECORANGE

ECOSOFT WATER SOFTENER

DATA SHEET



The Envirogen EcoSoft range covers flow rates from 0.4 to 20 m³/hr. EcoSoft delivers a cost efficient, flexible and easy-to-use solution to the problems associated with hard water.

The EcoSoft range uses high quality vessels and high efficiency softening resin to provide high quality softened water, reduce salt usage and reduce waste water. Typical applications include partial softening of drinking water in domestic applications, service water, process water, boiler feed water and cooling water applications.

FEATURES AND BENEFITS

- Pre-packaged, skid-mounted system minimises installation, commissioning and start-up time
- Cost-effective design using high efficiency resin to reduce salt and waste water
- Simplex and Duplex options
- Fully automatic operation requiring minimal operator involvement
- Flexible system with options for immediate or delayed regeneration (i.e. regenerate overnight or during periods of no demand)
- Simple control system operating on low voltage to ensure safe installation and operation.
- Service friendly design (minimal down time)
- Nationwide network of after sales service and support ensures that your water systems are maintained in optimal operational condition

TECHNICAL SPECIFICATION

Range/Model		ECS 10	ECS 30	ECS 50	ECS 75	ECS 125	ECS 200	ECS 250	ECS 350	ECS 500
Resin Volume	L	10	30	50	75	125	200	250	350	500
Normal Flow Rate (at 1 bar ΔP)	m ³ /hr	0.4	1.2	2.0	3.0	5.0	8.0	10	14	20
Min Flow Rate	m ³ /hr	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.34	0.34
Max Flow Rate	m ³ /hr	6.1	6.1	6.1	6.1	6.1	7.7	13.7	26.0	26.0
Treated water m ³ at 300 ppm CaCO ₃	m ³	1.7	5.0	8.3	12.5	20.8	33.3	41.7	58.3	83.3
Salt Consumption	kg/ regen	1.5	4.5	7.5	11.3	18.8	30.0	37.5	52.5	75.0
Water used per regen	L	143	238	224	397	455	814	1513	1345	2320
Treated Water Hardness	mg/l	<10	<10	<10	<10	<10	<10	<10	<10	<10

SYSTEM DIMENSIONS, WEIGHTS AND CONNECTIONS

Range/Model		ECS 10	ECS 30	ECS 50	ECS 75	ECS 125	ECS 200	ECS 250	ECS 350	ECS 500
Control Valve Size	-	1"	1"	1"	1"	1"	1.25"	1.5"	2"	2"
System Height	mm	622	1080	1580	1590	1870	1980	1830	2100	2270
Recommended Headroom	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000
System Width: - Simplex	mm	550	600	720	1031	1059	1390	1442	1500	1810
System Width: - Duplex	mm	900	1130	1130	1610	1840	1960	2190	2290	2670
Weight (*): - Simplex	Kg	13	40	65	90	140	230	275	400	555
Weight (*): - Duplex	Kg	35	75	115	180	280	450	461	434	1109
Connection In & Out (BSP)	inches	1"	1"	1"	1"	1"	1" or 1.25"	1.5"	2"	2"
Drain Connection Standard	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1.5"	1.5"
Drain Connection Optional	inches	1"	1"	1"	1"	1"	1"	1"	N/A	N/A

* Estimated weight of the system without water or salt

Feed Water Supply Quality

Potable water free from organic contamination, chlorine and suspended solids.

Supply Pressure: unpressurised via local break tank.

Temperature: min. 5°C / max. 30°C

Electrical Supply

All models 240v, single phase, 6W power

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:

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

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