

EWS: 050S, 070S, 100S, 130S, 190S, 250S, 320S

Commercial Heavy Duty Water System

COMMERCIAL SERIES • WATER SOFTENERS

All systems are available in single, duplex, triplex, and quadplex operation.

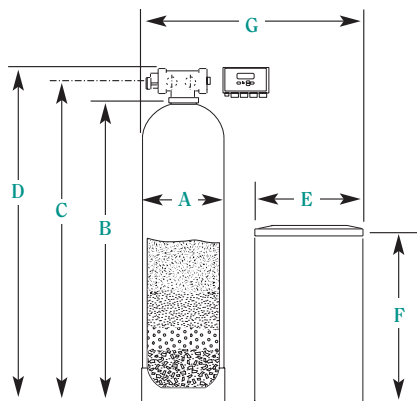


It's That Good.®

Effective and Efficient Water Softeners

- Electronic Demand Control Module
- Six-Cycle Valve with Easy-Clamp Ring
- Dynamic Brine-Making System
- Counter-Current Brining
- Washed Quartz Underbedding
- Automatic Bypass during Regeneration
- Easy Install Bypass Prevention Kits for Multiple Units
- Fiberglass Reinforced Resin Tank
- Turbine Flow Meter
- Safe 24-Volt Electronics
- Self-Cleaning Upper and Lower Distributors
- High-Density Salt Storage Tank
- Exceptional Flow Rates

DIMENSIONS



Duplex = 1 Brine Tank
 Triplex = 2 Brine Tanks
 Quadplex = 2 Brine Tanks

Model	A	B	C	D	E	F	G			
							Single	Twin	Triplex	Quadplex
EWS050, EWS070	12.3"	55"	58"	63.75"	17"	38.5"	36"	49"	95"	113"
EWS100, EWS130	17.6"	59.5"	62.5"	68.25"	24"	50.5"	48"	71"	125"	148"
EWS190, EWS250, EWS320	24"	76"	79.8"	85.5"	31"	51"	61"	91"	158"	188"

Note: Dimensions for duplex, triplex, and quadplex are calculated using the number of brine tanks listed above.

ECOWATER.CO.UK

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SPECIFICATIONS

All systems are available in single, duplex, triplex, and quadplex operation.

	EWS050SI		EWS070SI		EWS100SI		EWS130SI		EWS190SI		EWS250SI		EWS320S	
	Litres	Salt Used Kg	Litres	Salt Used Kg	Litres	Salt Used Kg	Litres	Salt Used Kg	Litres	Salt Used Kg	Litres	Salt Used Kg	Litres	Salt Used Kg
Capacity														
Litres of softened water Capacity @ 300 mg/l hardness	5825	2.7	7983	3.6	11650	5.5	15534	7.3	23300	10.9	31067	14.5	38834	18.2
	7983	4.1	10787	5.5	15534	8.2	20712	10.9	31067	16.4	41423	21.8	51779	27.3
	9493	5.5	13160	7.3	18123	10.9	24163	14.5	36245	21.8	48327	29.1	60409	36.4
	10356	6.8	14455	9.1	20064	13.6	26752	18.2	40129	27.3	53505	36.4	66881	45.5
	11219	8.2	15318	10.9	21359	16.4	28478	21.8	42718	32.7	56957	43.6	71196	54.5
Resin Tank Capacity	42		57		85		113		170		226		283	
General														
Maximum raw water hardness (mg/l)	1539		1539		1539		1539		1539		1539		1539	
Maximum raw water iron (mg/l)	5		5		5		5		5		5		5	
Pressure range (min/max - Bar)	2.0-8.65		2.0-8.65		2.0-8.65		2.0-8.65		2.0-8.65		2.0-8.65		2.0-8.65	
Minimum water temperature oC	2		2		2		2		2		2		2	
Maximum water temperature oC	38		38		38		38		38		38		38	
Minimum Ambient temperature oC	2		2		2		2		2		2		2	
Maximum Ambient temperature oC	66		66		66		66		66		66		66	
Connection size	1" BSP		1" BSP		1" BSP		1" BSP		1" BSP		1" BSP		1" BSP	
Water used per regeneration Metres cubed	0.39		0.41		0.63		0.68		1.08		1.11		1.14	
Salt storage (approx) K	155		155		318		318		409		409		409	
DIMENSIONS	mm		mm		mm		mm		mm		mm		mm	
A	312		312		447		447		610		610		610	
B	1397		1397		1511		1511		1930		1930		1930	
C	1473		1473		1588		1588		2027		2027		2027	
D	1619		1619		1734		1734		2172		2172		2172	
E	432		432		610		610		610		610		610	
F	978		978		1041		1041		1283		1283		1283	
G	914		914		1118		1118		1448		1448		1448	

Electrical Rating 24V / 50 Hz

Salt dosages can be set to maintain desired efficiencies or changed to auto adjusting, salt-efficient demand, or boiler operation. See manual for details.

The actual capacity could be 5% – 10% greater than shown for each salt dosage.

The optional adapters provide for direct connection of 1.5" copper tube to the 1" service valve.

OPERATIONAL FLOWS*

Model	Flow Rate (Lt/M) and Pressure (BAR) Loss (ΔP)							
	19 lt/m	38 lt/m	57 lt/m	76 lt/m	95 lt/m	114 lt/m	132 lt/m	151 lt/m
EWS050S	0.15	0.39	0.72	1.13	1.60	2.15	--	--
EWS070S	0.18	0.46	0.82	1.27	1.80	2.41	--	--
EWS100S	0.09	0.26	0.50	0.82	1.20	1.67	2.20	--
EWS130S	0.10	0.28	0.54	0.88	1.29	1.78	2.33	--
EWS190S	0.08	0.21	0.44	0.73	1.13	1.51	2.01	2.58
EWS250S	0.08	0.23	0.46	0.75	1.16	1.56	2.07	2.66
EWS320S	0.08	0.24	0.48	0.78	1.20	1.61	2.14	2.73

Key:

- System design flow rates
- For intermittent use only
- Not for use on these flow rates

*Data obtained from tests run by the University of Minnesota St. Anthony Falls Engineering Lab and is based on a non-fouled filter.

All specifications listed are for SINGLE unit operation.

The EcoWater Commercial Series Heavy Duty Water Softener is subject to a limited warranty that may give you specific rights. A copy of the warranty is printed in the installation manual. Please read the warranty carefully before installing or using an EcoWater water softener.

