

EWS: 102S, 132S, 162S, 192S, 252S, 322S, 362S, 452S, 602S

Commercial Heavy Duty Water System with 2" Eco Flow-Pack Valve

COMMERCIAL SERIES • WATER SOFTENER

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



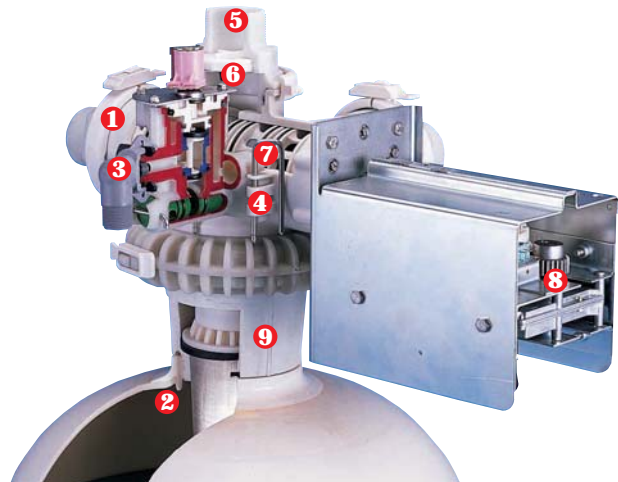
It's That Good.®

Effective and Efficient Water Softeners

- Innovative 2" Eco Flow-Pack™ Valve
- Fully Programmable
- Electronic Demand Control Module
- Selectable for Parallel, Parallel Delayed, Alternating, and Peak Flow Demand
- Dynamic Brine-Making System
- Counter-Current Brining
- Washed Quartz Underbedding
- Turbine Flow Meter
- Safe 24-Volt Electronics
- Self-Cleaning Upper and Lower Distributors
- High-Density Salt Storage Tank
- Exceptional Flow Rates
- Self-Diagnostic Capabilities (E.A.S.E.)
- Non-Volatile Memory

2" Eco Flow-Pack Valve Another EcoWater Innovation

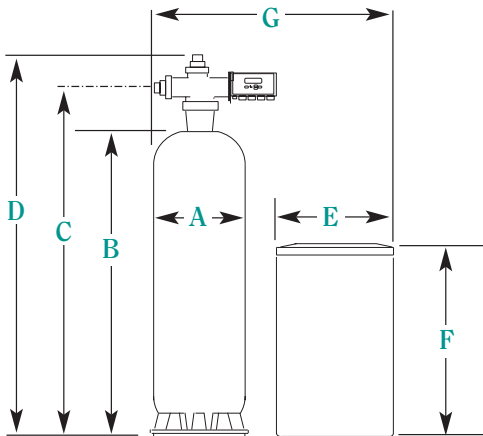
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|---|---|
| ❶ Snap Clamp Rings for Ease of Connecting | ❹ Adjustable Backwash Flow Control |
| ❷ Screened Top Distributor | ❺ Full 2" Ported Flow Passage in Valve Housing |
| ❸ Brine Make-Up Flow Control | ❻ High Torque 24 V-DC Motor |
| ❹ Pin Quick Disconnect Injector Housing | ❼ Valve Tank Adaptor Allows Easy Access into Tank with Clamp Ring Connector |
| ❺ 2" NPT Union Connections | |



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DIMENSIONS



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

Model	A Resin Tank Diameter	B Resin Tank Height	C Inlet- Outlet Height	D Overall Height	E Brine Tank Diameter	F Brine Tank Height	G Single
EWS102S, EWS132S	17"	58"	67"	72.5"	24"	50"	41"
EWS162	17"	72"	81"	86.5"	24"	50"	47"
EWS192, EWS252, EWS322	24"	72"	81"	86.5"	31"	51"	60"
EWS362, EWS452	30"	72"	88"	93.5"	31"	51"	66"
EWS602	36"	72"	88.5"	94"	41"	51"	80"

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

SPECIFICATIONS

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

	EWS102S	EWS132S	EWS162S	EWS192S	EWS252S	EWS322S	EWS362S	EWS452S	EWS602S
Capacity									
Litres of softened water Capacity @ 300 mg/l hardness	11650	15534	19417	23300	31067	38834	46601	58251	77668
	5.5	7.3	9.1	10.9	14.5	18.2	21.8	27.3	36.2
	15534	20712	25889	31067	41423	51779	62135	77668	103558
	8.2	10.9	13.6	16.4	21.8	27.3	32.7	40.9	54.5
	18123	24163	30204	36245	48327	60409	72490	90613	120817
	10.9	14.5	18.2	21.8	29.1	36.4	43.6	54.5	72.7
	20064	26752	33440	40129	53505	66881	80257	100321	133762
	13.6	18.2	22.7	27.3	36.4	45.5	54.5	68.2	90.9
	21359	28478	35598	42718	56957	71196	85435	106794	142392
	16.4	21.8	27.3	32.7	43.6	54.5	65.5	81.8	109.1
Resin Tank Capacity	85	113	142	170	226	283	340	425	566
General									
Maximum raw water hardness (mg/l)	1539	1539	1539	1539	1539	1539	1539	1539	1539
Maximum raw water iron (mg/l)	5	5	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	2.0-8.65	2.0-8.65
Minimum water temperature oC	2	2	2	2	2	2	2	2	2
Maximum water temperature oC	38	38	38	38	38	38	38	38	38
Minimum Ambient temperature oC	2	2	2	2	2	2	2	2	2
Maximum Ambient temperature oC	66	66	66	66	66	66	66	66	66
Connection size	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP
Water used per regeneration Metres cubed	0.57	0.63	0.69	1.03	1.14	1.26	2.06	2.23	2.97
Salt storage (approx) Kg	318	318	455	682	682	682	682	682	1136
DIMENSIONS									
A	432	432	432	610	610	610	762	762	914
B	1473	1473	1829	1829	1829	1829	1829	1829	1829
C	1702	1702	2057	2057	2057	2057	2235	2235	2248
D	1842	1842	2197	2197	2197	2197	2375	2375	2388
E	610	610	610	787	787	787	787	787	787
F	1041	1041	1270	1295	1295	1295	1295	1295	1295
G	1041	1041	1194	1524	1524	1524	1676	1676	2032

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.

OPERATIONAL FLOWS*

Flow Rate (Lt/M) and Pressure (BAR) Loss (ΔP)

Model	38 Lt/M	76 Lt/M	114 Lt/M	151 Lt/M	189 Lt/M	227 Lt/M	265 Lt/M	303 Lt/M	341 Lt/M	379 Lt/M	416 Lt/M	454 Lt/M
EWS102S	0.10	0.24	0.41	0.62	0.86	1.14	--	--	--	--	--	--
EWS132S	0.14	0.31	0.52	0.76	1.07	1.38	1.76	--	--	--	--	--
EWS162S	0.17	0.35	0.62	0.90	1.24	1.59	2.01	2.42	--	--	--	--
EWS192S	0.07	0.14	0.28	0.45	0.62	0.83	1.04	1.31	1.59	--	--	--
EWS252S	0.07	0.17	0.31	0.48	0.66	0.86	1.11	1.38	1.66	1.94	--	--
EWS322S	0.07	0.21	0.35	0.52	0.73	0.97	1.24	1.52	1.80	2.14	--	--
EWS362S	--	0.14	0.24	0.38	0.52	0.69	0.90	1.11	1.38	1.59	1.87	2.14
EWS452S	--	0.17	0.28	0.41	0.55	0.76	0.97	1.18	1.45	1.73	2.01	2.28
EWS602S	--	--	0.21	0.35	0.48	0.62	0.83	1.04	1.24	1.45	1.73	2.01

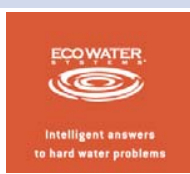
Key:

- 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.



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