

# Water Softeners



Environmental Water Systems (UK) Ltd supplies an extensive range of cost effective water softening plant. These include both low flow and high flow to suit all industrial applications. For more information about our water softeners, please contact the EWS team on 01934 741782.

## EWS Industrial Water Softeners – low flow

MODEL	EWS	36-700 LF	42-850 LF	42-1000 LF	48-1300 LF	48-1600 LF
Maximum flow rate	m <sup>3</sup> /hr	20	20	20	20	20
Minimum flow rate	m <sup>3</sup> /hr	3.3	5	5	5.6	5.6
Capacity at 200ppm Hardness	M <sup>3</sup>	182	223	262	341	420
Operating Pressure (min/max)	Bar	2.5/6.0	2.5/6.0	2.5/6.0	2.5/6.0	2.5/6.0
Service valve type (SIATA) – side mount		360	360	360	360	360
Regeneration flow to drain	lt/min	74	106	128	166	205
Regeneration volume to Drain	M <sup>3</sup>	3	5.2	6.9	8.2	12.8
Pressure drop across softener (max flow)	Bar	1.4	1.4	1.4	1.4	1.4
Max Operating Temp	deg C	45	45	45	45	45
Salt used per regeneration	Kg	90	109	128	166	205
Salt storage capacity - simplex brine system	Kg	600	900	900	1200	1200
Salt storage capacity for Duplex models	Kg	900	1200	1200	bulk salt	bulk salt
Resin Vessel dimensions (two supplied for Duplex)	Mm (dia/ht)	927x2110	1074x2430	1074x2430	1226x2465	1226x2745
Maximum height of softener	Mm	2210	2805	2805	2840	3120
Brine measure tank for use with separate salt tank	Mm (dia/ht)	830x1200	970x1240	970x1240	1050x1500	1050x1500
Salt tank for simplex model	Mm (dia/ht)	970x1240	1050x1500	1050x1500	1360x1520	1360x1520
Salt tank for Duplex model	Mm (dia/ht)	1050x1520	1360x1520	1360x1520	bulk salt	bulk salt
Inlet and Outlet connections	In	2.5	3	3	3	3

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## EWS Industrial Water Softeners – high flow

MODEL	EWS	36/700 HF	42/850 HF	42/100 HF	48/1300 HF	48/1600 HF
Maximum flow rate	m <sup>3</sup> /hr	24	40	48	50	50
Minimum flow rate	m <sup>3</sup> /hr	3.3	5	5	5.6	5.6
Capacity at 200ppm Hardness	m <sup>3</sup>	184	223	262	341	420
Operating pressure (min/max)	bar	2.0/6.0	2.0/6.0	2.0/6.0	2.0/6.0	2.0/6.0
Service valve type (SIATA) – side mount		360	360	360	360	360
Regeneration flow to Drain	lt/min	75	106	128	166	205
Regeneration volume to drain	m <sup>3</sup>	3	5.2	6.9	8.2	12.8
Pressure drop across softener (max flow)	bar	1.4	1.4	1.4	1.4	1.4
Max Operating Temp	deg C	45	45	45	45	45
Salt used per regeneration	Kg	90	109	128	166	205
Salt storage capacity simplex brine system	Kg	600	900	900	1200	1200
Salt storage capacity for Duplex models	Kg	900	1200	1200	bulk salt	bulk salt
Resin Vessel dimensions (two supplied for Duplex)	mm (dia/ht)	927x2110	1074x2430	1074x2430	1226x2465	1226x2745
Maximum height of Softener	mm	2210	2805	2805	2840	3120
Brine measure tank for use with separate salt tank	mm (dia/ht)	830x1200	970x1240	970x1240	1050x1500	1050x1500
Salt tank for simplex Model	mm (dia/ht)	970x1240	1050x1500	1050x1500	1360x1520	1360x1520
Salt tank for Duplex Model	mm (dia/ht)	1050x1520	1360x1520	1360x1520	bulk salt	bulk salt
Inlet and Outlet Connections	in	2.5	3	3	3	3

[www.reverseosmosis.co.uk](http://www.reverseosmosis.co.uk)

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**Environmental Water Systems**  
 Total Capability in Water Purification and Water Recovery



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