

# Industrial Water Softeners

Envirogen Water Technologies supply an extensive range of cost effective water softening plant. These include both low flow and high flow to suit all industrial applications.



## Technical information

MODEL - Low Flow	36-700	42-850	42-1000	48-1300	48- 1600
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
Regen flow to drain (lt/min)	74	106	128	166	205
Regen 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)	830 x 1200	970 x 1240	970 x 1240	1050 x 1500	1050 x 1500
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

## Water Softeners - High Flow

MODEL High Flow		36/700	42/850	42/1000	48/1300	48/1600
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



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