

EURAQUA UK

Unbeatable Water Treatment Service

PRODUCT UPDATE

Salt Saving Valves

In these times of austerity and increased concern about the environment we have brought to the market a range of efficient softeners that give a **30% saving in salt and water**. The valves are all tried and tested from the normal sources but because they regenerate the resin in a counter current fashion (up-flow brining) we can maintain the capacity while reducing the salt and water required per regeneration. Valves available are shown below together with the price increase over a standard valve, this extra cost is more than offset in a standard system by the reduction in the brine tank size required.

Valve	Valve one off on-cost	1st year saving for specific softeners	Payback for specific softeners
5600	£ 30	75 litre Simplex - £ 106	75 litre Simplex - 3.4 months
WS1	£ 10	75 litre Simplex - £ 106	75 litre Simplex - 1.2 months
2750	£ 84	125 litre Simplex - £ 172	125 litre Simplex – 5.9 months
9000	£ 46	75 litre Duplex - £ 698	75 litre Duplex - 0.8 months
9100	£ 46	150 litre Duplex - £ 1,251	150 litre Duplex – 0.5 months
2910	£ 240	300 litre Simplex - £ 418	300 litre Simplex – 6.9 months
2910	£ 480	300 litre Duplex - £ 2,496	300 litre Duplex – 2.3 months
3900	£ 320	750 litre Simplex - £ 1,120	750 litre Simplex – 3.4 months
3900	£ 640	750 litre Duplex - £ 6,346	750 litre Duplex – 1.2 months

There after the saving in salt and water is free. For example a 150 Litre simplex will save a predicted £ 282 in the first year while a 150 Duplex would save a whopping £ 1,251 in the first year. Please find attached 2 spreadsheets detailing the saving per year for a range of sizes.

As a few parts of the valve (piston and brine system) are different we will be labelling each counter current valve with a green energy saving sticker to help in identification. Other than these few changes the valves are the same giving you the performance in flow rate, capacity and durability that you expect. We carry a limited stock of these valves so please let us know what you require. If you require a specific salt and water saving to be calculate for your customer then please let us know and we will be happy to oblige.



Example of savings for Simplex Valves based upon Resin Volumes and the criteria listed below

COUNTER CURRENT SAVINGS SIMPLEX					
RESIN	TOTAL SAVING PER YEAR	BRINE TANK USED	BRINE TANK SAVING	FIRST YEAR SAVING	VALVE ON COST
4	£5.51	80		£5.51	5600 £30
7	£9.63	80		£9.63	WS1 £ 10
10	£13.76	80		£13.76	
14	£19.27	80		£19.27	
20	£27.53	80		£27.53	
25	£34.41	80		£34.41	
30	£41.29	80		£41.29	
40	£55.06	80	£3.00	£58.06	
50	£68.82	80	£3.00	£71.82	2750 £84
75	£103.23	120	£3.00	£106.23	
100	£137.64	120	£3.00	£140.64	
125	£172.05	120	£3.00	£175.05	
150	£206.46	160	£75.71	£282.17	2910 £120
200	£275.28	300	£28.80	£304.08	
300	£412.91	400	£5.70	£418.61	
400	£550.55	500	£82.11	£632.66	
500	£688.19	500	£82.11	£770.30	3900 £ 160
750	£1,032.28	750	£87.80	£1,120.08	
1000	£1,376.38	750	£87.80	£1,464.18	
1250	£1,720.47	1000	£118.43	£1,838.90	
STANDARD BRINING RATE 140G/LITRE					
COUNTER CURRENT BRINING RATE 100G/LITRE					
SALT COST £0.2/KG					
STANDARD WATER USED 5.5 BV 1.5 BV BW 2.5 BV SRBR 1.5 BV FR					
COUNTER CURRENT WATER USED 4 BV 1 BV BW 2 BV SRBD 1 BV FR					
WATER COST £2.25/M3					
REGEN EVERY 3 DAYS 121 PER YEAR					

Example of savings for Duplex Valves based upon Resin Volumes and the criteria listed below

COUNTER CURRENT SAVINGS DUPLEX					
RESIN	TOTAL SAVING PER YEAR	BRINE TANK	BRINE TANK SAVING	FIRST YEAR SAVING	VALVE ON COST
4	£33.22	80		£33.22	9000 £ 46
7	£58.13	80		£58.13	9100 £ 46
10	£83.04	80		£83.04	WS1 £ 20
14	£116.25	80		£116.25	
20	£166.08	80		£166.08	
25	£207.59	80		£207.59	
30	£249.11	80		£249.11	
40	£332.15	80		£332.15	
50	£415.19	120	£3.00	£418.19	
75	£622.78	160	£75.71	£698.49	
100	£830.38	300	£28.80	£859.18	
125	£1,037.97	300	£3.00	£1,040.97	
150	£1,245.56	400	£5.70	£1,251.26	2910 £ 240
200	£1,660.75	500	£82.11	£1,742.86	
300	£2,491.13	500	£5.70	£2,496.83	
400	£3,321.50	500	£82.11	£3,403.61	
500	£4,151.88	750	£87.80	£4,239.68	3900 £ 320
750	£6,227.81	1000	£118.43	£6,346.24	
1000	£8,303.75	1000	£118.43	£8,422.18	
1250	£10,379.69	1500		£10,379.69	
STANDARD BRINING RATE 140G/LITRE					
COUNTER CURRENT BRINING RATE 100G/LITRE					
SALT COST £0.2/KG					
STANDARD WATER USED 5.5 BV 1.5 BV BW 2.5 BV SRBR 1.5 BV FR					
COUNTER CURRENT WATER USED 4 BV 1 BV BW 2 BV SRBD 1 BV FR					
WATER COST £2.25/M3					
REGEN EVERY TWICE PER DAY 730 PER YEAR					