



Product Manual

Automatic Water Softener

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Version: 2

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Product Manual Overview

Automatic Water Softener Installation

Before commencing the installation, please read and understand these instructions. Make sure you have all the necessary plumbing fittings and tools.

Should you need help or advice, please telephone our helpline on:

01933 666244

Softened water is not suitable for drinking.

Prior To Fitting Your Water Softener

This softener must be Protected from frost and freezing.

Check you have sufficient water mains pressure. This should be:

Minimum operation pressure: 1.5 Bar

Maximum operating pressure: 6 Bar

With an optimum operation pressure of about: 3 Bar

Maximum operating temperature must not be above: 20°C, with a minimum operating temperature of above freezing:

You can contact your local water authority for your areas mains water pressure. As a rule of thumb, if you open the kitchen sink cold water tap fully and water splashes everywhere, the pressure could be too high and if you can easily stop the flow with your thumb it is probably too low. Too low a pressure, although perfectly possible is unlikely.

If the pressure is too high in your area, you will need to fit a pressure reducing valve. This can be purchased from your EWC Ltd or your local plumbers merchants. This will prolong the life of the softener and reduce the risk of flooding due to over pressurisation.

Water hardness test strips with their instructions attached are included with this softener. Follow attached instructions on the test strips to determine the water hardness of your mains water and record your results on page 11 of this manual. You will use this data later to set up the water softener.

Next

Carefully remove the softener from the box, holding by the Cabinet, not the control box.

Important: Never lift by the black control valve/box on top of the cabinet. If you damage this, it won't work.

You will also find in the box:

1. (Optional) 2 x Flexible water supply hoses. (One inlet and one outlet).



2. (Optional) 2 metres of drain / overflow hose.



3. 1 x Salt Lid.



4. 1 x Control Valve Lid (Certain Models only).



5. (Optional) 1 x Worm Drive Clip.



6. 1 x Operation Manual.

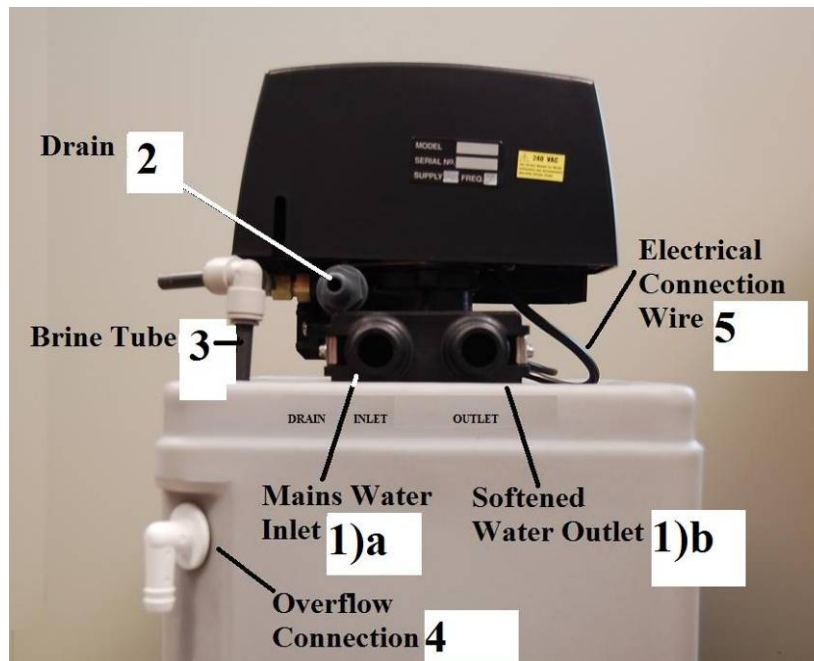


7. 1 pack of water hardness test strips.



When removed from the box, acquaint yourself with the connections at the rear of the water softener. These are as follows:

Fig.1



1. 2 x $\frac{3}{4}$ inch BSP male connections.
 - a) The left one being the **Mains Water Inlet**
 - b) The right one being the **Softened Water Outlet**
2. A 13 mm hose barb connection on the left hand side. This is the **Drain Outlet**.
3. A $\frac{3}{8}$ inch loose pipe and elbow disappearing into the brine tank cabinet Figs.2 & 3. This is the **Brine Pick Up** and is left loose for transportation. This immediately requires connecting to the push fit elbow on the left hand side of the control valve (see below). Lubricate the end of the tube with a little water and push firmly into the push fit elbow.

Note: If you can easily pull this out, you didn't push it home firmly enough.

Fig.2



Fig.3



4. A white, 13mm hose barb elbow, which is located on the tank body. This is the **Overflow Connection** and is connected later.
5. The electrical connection cable is located under the control valve, on the right hand side.

Installation Instructions

Water softeners are very easy to install - there is only 1 electrical and 4 water connections:

1. Mains water inlet.
2. Softened water outlet.
3. Drain.
4. Overflow.
5. Electrical connection (which, must be wired into a 240v AC mains power supply).

Before starting, make sure that water will not be needed whilst it is turned off (a full kettle is a good idea).

Drain Rinsing Main

Having decided on a suitable frost-free position for the water softener; turn off the mains water supply at the stopcock and drain from the lowest point. If you don't have a drain point below the place where you intend to fit the valves, turn on the kitchen cold tap until the water stops running but make sure you have a container of a suitable size, ready to catch any residual water before you break into the pipe.

Important: The position of the water softener water feed must be after the take-off point for drinking water and the garden, as softened water is not suitable for drinking or fish ponds and would prove expensive if used for watering the garden.

Fitting Bypass Valve Set (If Applicable)

Cut the rising main in a position which will allow the drinking and garden ('hard water supply') water take-offs, to be situated before to the bypass valve set and softener.

Note: You may also need to run additional pipe-work to alter existing plumbing, if in any doubt, please contact your local plumber.

Fit 3 valves as shown in Fig 4 to form a bypass. This will allow you to maintain water to the house, should you ever wish to remove or change the softener.

Note: Install proprietary valves with direction of flow arrows as shown, terminating in $\frac{3}{4}$ " BSP male (this is to accommodate the flexible hoses).

To comply with Water Regulations:

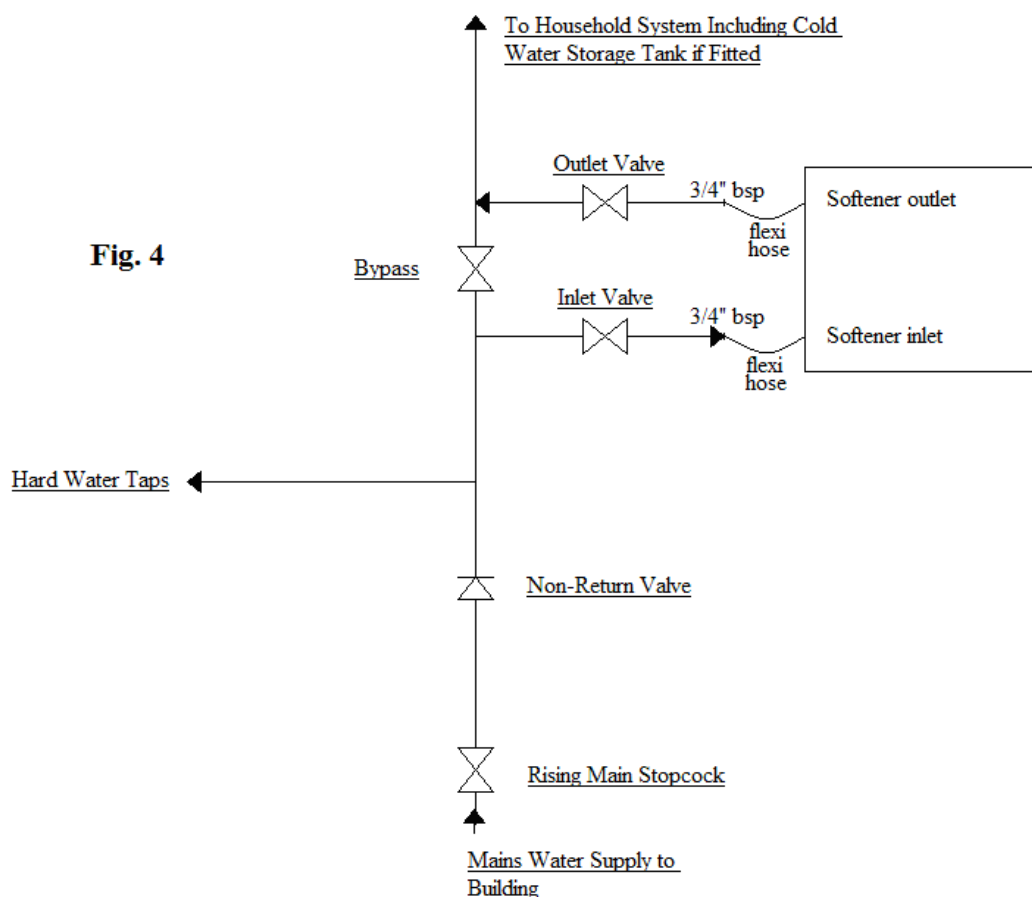
For **Domestic** installations, you must fit an approved single check non-return valve as shown in Fig 4.

For **Commercial** installations, this must be a double check valve.

*Drinking water faucet kits, with or without water filters and purifiers, Triflow taps (giving hot, cold & drinking water from one monoblock tap) are all available from EWC Ltd.

Pipework Installation Diagram

Note: Check inlet & outlet are connected in accordance with labels on rear of cabinet.



A non-return valve must be fitted in the rising main water pipe prior to the bypass set or in the hard water inlet pipe. This is to comply with local Water Board Regulations and must be adhered to.

Plumb In The Softener Inlet And Outlet Hoses

Using the hoses provided, connect the softener inlet and outlet to the mains water pipe work, as shown to the previous diagram.

Note: Ensure that the hoses are connected correctly as per the labels on the back of the softener cabinet.

Pressure drop across the system is rarely an issue for households fitted with cold water storage tanks. Therefore for most households (with cold water storage tanks) and 15mm by-pass plumbing, valves etc, the standard hoses provided with the water softener are adequate to supply all water requirements.

For households with combination boilers i.e. connected directly to the mains water supply without a cold water storage tank, it would be advisable to disregard the hoses and plumb the softener directly using all 22mm pipe work valves and fittings etc, especially the non-return valve. This would give significantly greater flow and less pressure drop across the system therefore minimizing any low pressure effect on the combination boiler and all the mains water system through out the house.

Plumb In The Drain

The yellow hose provided is used for both the overflow hose and drain hose and must be trimmed accordingly. Fit the yellow drain hose provided onto the ½ inch hose barb fitting on the control valve of the water softener using the jubilee clip, then run the hose to a suitable drainage point i.e. plastic stand pipe.

Note: Care should be taken to position the hose so that:

- a) It will not kink or fold
- b) It will not freeze
- c) The length of the drain hose is kept as short as possible
- d) It cannot move and become dislodged

Note: High water pressure may cause the hose to move during the backwash section of the water softeners regeneration cycle. For this reason, it is advised to fix the hose in place.

Important: A suitable drain air gap should be provided to adhere to local Water Authority Bye-Laws. The air gap should be at the point of entry from the drain hose into the drain pipe.

Plumb In The Overflow

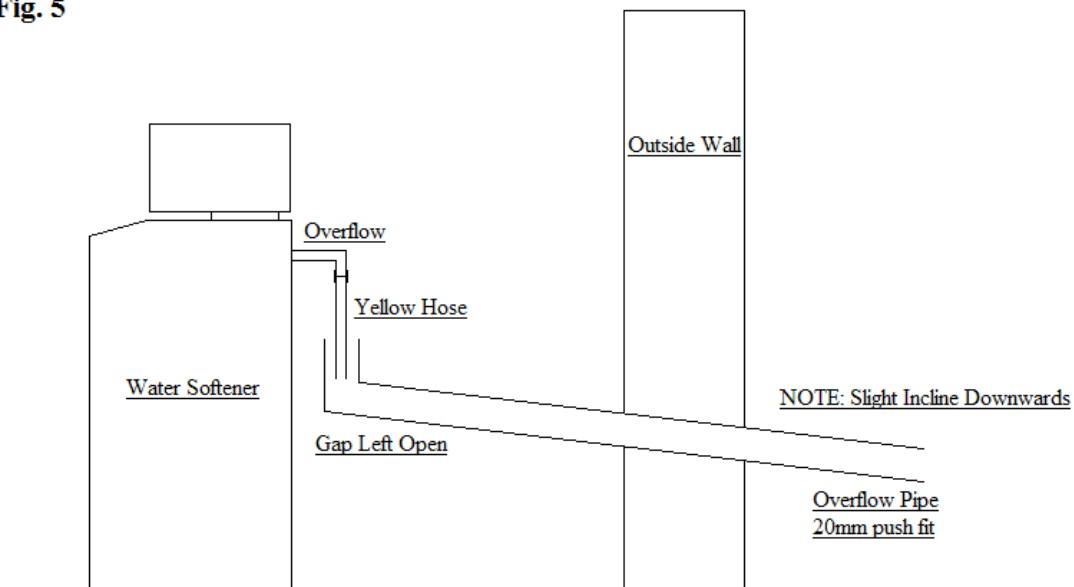
It is very important that a good overflow system is provided. Connect a short length of the yellow hose to the overflow elbow at the rear of the water softener. Run this hose into wider waste piping of at least $\frac{3}{4}$ inch (22mm) plastic pipe leading to the outside.

Important: Make sure that no part of the hose, or pipe, run uphill, is kinked, or runs higher than the overflow outlet. The overflow must always run down hill.

Do not seal the join between the wider piping and the overflow to prevent an air lock forming (see Fig. 5) and **do not** join the overflow hose to the drain hose - This will cause a flood during the water softeners regeneration cycle.

Overflow Setup

Fig. 5



Connect The Electricity Supply

The water softener must be wired into a permanent electrical supply i.e. a fused spur connection.

Maximum fuse 3 amp.

Connection for wiring is as follows:

Brown	-	Live
Blue	-	Neutral
Yellow/Green	-	Earth

Warning: This appliance must be earthed. If in doubt consult a qualified electrician.

Loft Or Upper Floor Installations

Extreme care should be taken with such installations, as the potential for damage, should there be a leak, could be extremely high.

The water softener must be installed inside a plastic water tank, this tank should then be provided with a 1 ¼" overflow about half way up the side. This overflow must then be run outside the building. The water softener overflow may then be ignored. The drain however must still be installed and great care taken with all joints and protection against freezing.

We strongly advise you contact EWC Service for advice on such installations.

Commissioning The Water Softener

Check Installation

Is the:

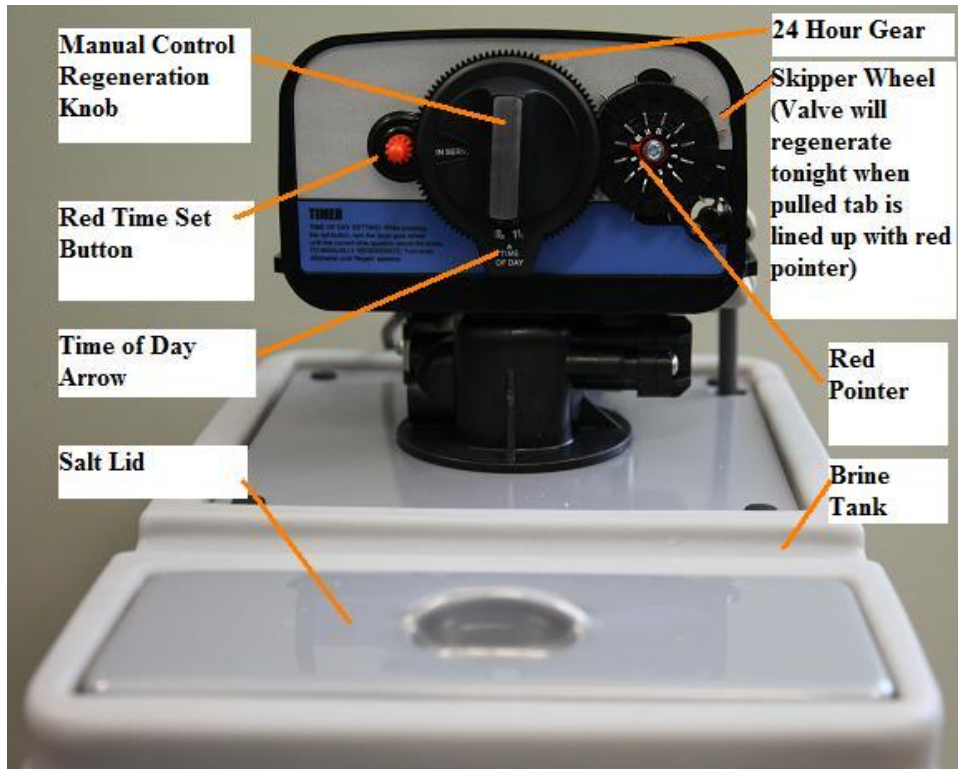
1. Inlet to inlet pipe.
2. Outlet to outlet pipe.
3. Drain and overflow as per instructions.

Important: Overflow water will not flow uphill! Don't forget to check that the drain is not kinked or in a position where it is possible to kink, freeze or jump out of the drainage pipe due to water pressure. Get this wrong and it overflows, you will have a flood.

4. Ensure inlet, outlet and bypass valves are closed.
5. Using the manual regeneration knob, turn the softener control clockwise into the 'In Service' position.
6. Turn on the mains water supply.
7. Slowly Open inlet valve, you may hear a hissing noise as the water rushes through the valve.
8. Once the hissing noise has stopped, open the outlet valve and run some water. Don't worry, this may be a brown colour at first, it is a stain washing out of the softener resin and will do no harm. This will clear in approximately 2-3 minutes.
9. Set timer as described overleaf:

Model E/C-STC Timer Control Valve Start-Up Procedures

Fig 6



Setting The Timer

Expose the timer assembly (Fig 6) by removing the black cover. This is done by gently lifting the cover upwards.

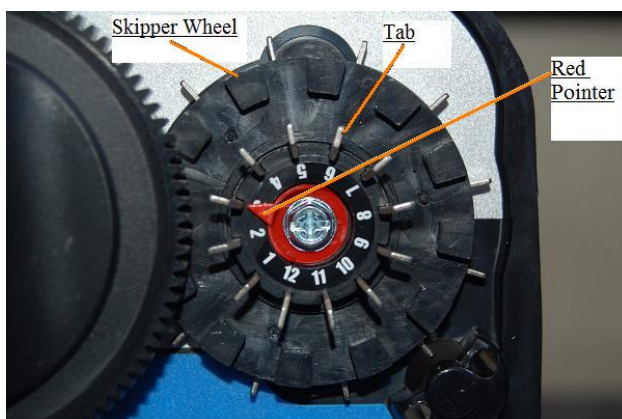
1. Manually dial the various regeneration positions by turning the control knob on the front of the control clockwise until the indicator shows that the softener is in the desired control position.
2. Manually turn clockwise the control to the 'Rinse Backwash' position and allow water to flow at the drain for 3-4 minutes. Then proceed to 3.
3. Turn on the electrical supply.
4. Manually fill the brine tank through the salt fill aperture with approximately 6 inches of tap water using a jug or similar container.
5. Manually turn the control clockwise to the 'Brine + Rinse' position and allow the control to draw water from the brine tank, until it stops drawing, (leaving approximately 2 inch of water in the brine tank, this takes approximately 10 to 12 minutes). Note: if at this stage the brine tank fills instead of emptying. Check:

- a) Your inlet and outlet connections are correct
 - b) The drain hose is not kinked
 - c) You have a reasonable water pressure (at least 1.5 bar)
6. Set the control knob to the correct time of day. The time of day is indicated at the bottom of the control knob by the numbers 1 to 12, a or p, ('a' = am & 'p' = pm). To set the time of day press and hold the red button and turn the large gear until the present time appears in the window. This is purely to ensure the water softener regenerates at night (approximately 2 am) so that no water is used by the household during the regeneration, therefore only the hours are required to be set and not minutes. It is not absolutely necessary to reset this clock for summer and winter time provided the softener regenerates when no water is being used as described previously. It should be reset after a powercut to approximately the correct time.
7. Set the days you would like regeneration to occur (see 'Regeneration Schedule' Fig 10) Each tab represents a day (Fig 7). If you pull the relevant tab outwards (towards you) the softener will regenerate on that night. If you push the tab in - it will not.

So -

- a) To set the softener to regenerate every night, pull out all the tabs
- b) To set the softener to regenerate every other night i.e. every 2 days - pull out alternate tabs
- c) To set the softener to regenerate every third night - pull out one tab, push in the next two tabs - etc

Fig 7



- d) Each tab is one day
- e) Finger at red pointer is tonight
- f) Moving clockwise from the red pointer, pull or push fingers to obtain the desired regeneration schedule. (Fig 8 & Fig 9)

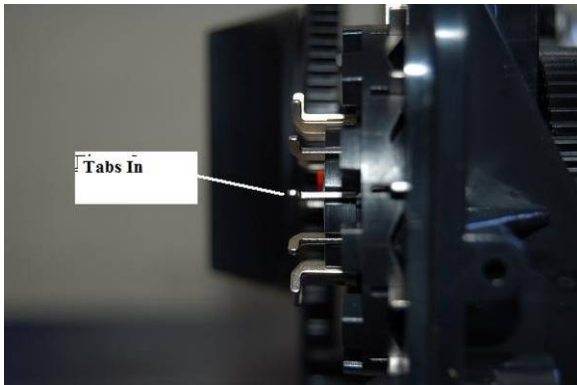


Fig 8

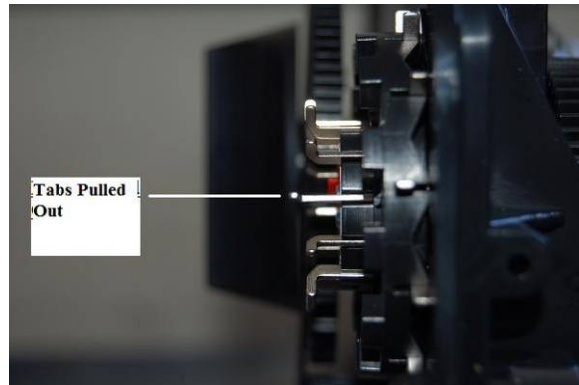


Fig 9

8. Manually advance the control clockwise to the beginning of the Settle Rinse position and allow the control to return to the In Service position automatically. This will take approximately 40 minutes and should restore the water level in the brine tank to between 3 inches to 4 inches. Should it continue to refill beyond this check the electrical supply as this process is controlled by the electrical timer.
9. Using only salt **tablets** or **pebbles**, Fill the brine tank (initial fill, about 25kg).
10. Refit black cover to the control valve and the grey salt lid on salt fill aperture.
11. Make sure that the bypass valves are left in the correct service position i.e. inlet & outlet open, bypass closed.

The water softener will automatically regenerate at 2:00am on the preset days.

The Water Softener is now on line and ready to use.

Regeneration Schedule (See Point 7)

As a general rule; an average person uses approximately 160 liters of water per day, this we refer to as "one person day". So for example, a 10 litre water softener has a capacity of 8 person days, this would mean:

8 people for 1 day
4 people for 2 days
2 people for 4 days
1 person for 8 days

These figures would assume a water hardness of 20' Clark (286 ppm) which is the national average and moderately hard. This must only be considered as a guide, as the water hardness varies greatly according to the area. Included with this water softener is a packet containing

two test strips (instructions for use are attached to the packet) that can be used to determine the approximate hardness of the water in your home prior to fitment of the softener and verify that the softener is working after fitment. Circle the result of the water hardness of your mains water below. This information is used to set up the regeneration cycle of your water softener using Fig 10.

Circle Test Result: Very Soft / Soft / Moderately Hard / Hard / Very Hard

Note: after fitment, if your mains water is fed to a tank wait at least a week before testing as it may take some time to expel remaining hard water in the water system. Using the table below set the time in days for when the softener should be set to regenerate.

These figures are based upon available water consumption of 160 litres/day/person. Higher consumption will require more frequent regeneration.

Fig 10

5 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	6	4	3	2	2	1	1	1
Moderately Hard	4	2	1	1	1	To small	To small	To small
Hard	3	1	1	To Small	To Small	To Small	To Small	To Small
Very Hard	2	1	To Small	To Small	To Small	To Small	To Small	To Small

10 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	12	12	6	4	4	3	3	2
Moderately Hard	6	4	3	2	2	1	1	1
Hard	6	3	2	1	1	1	To Small	To Small
Very Hard	4	2	1	1	1	To Small	To Small	To Small

12 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	Too Large	12	6	6	4	4	4	3
Moderately Hard	12	6	4	3	2	2	2	1
Hard	6	4	3	2	1	1	1	1
Very Hard	6	3	2	1	1	1	1	To Small

14 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	Too Large	12	6	6	4	4	4	4
Moderately Hard	12	6	4	4	3	2	2	2
Hard	6	4	3	2	2	1	1	1
Very Hard	6	4	2	2	1	1	1	1

18 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	Too Large	Too Large	12	6	6	6	6	4
Moderately Hard	12	6	6	4	4	3	3	2
Hard	12	6	4	3	2	2	1	1
Very Hard	6	4	3	2	2	1	1	1

23 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	Too Large	Too Large	Too Large	12	6	6	6	6
Moderately Hard	Too Large	12	6	6	4	4	4	3
Hard	12	6	6	4	3	3	2	2
Very Hard	12	6	4	3	2	2	2	1

30 Litre

Water Hardness	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People
Very Soft	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd
Soft	Too Large	Too Large	Too Large	Too Large	Too Large	12	6	6
Moderately Hard	Too Large	Too Large	12	6	6	6	4	4
Hard	Too Large	12	6	6	4	4	3	3
Very Hard	12	6	6	4	3	3	2	2

Note. For the larger softeners or irregular water usage, a metered softener would be a far better option for both salt and water consumption.

In the UK it is very unlikely to find water in excess of very hard. If you have a private water supply i.e. well or bore hole, we would suggest you send a water sample to EWC Ltd for testing and advice on the correct water treatment required. This would include hardness / iron / chlorides / manganese and sulphates and would be free of charge to our water softener customers. The figures provided are for indication and advice purposes and should not be considered definitive.

Warranty

This water softener carries a 2 year in home parts & labour warranty. This warranty is extendable on an annual basis for up to 10 years if the softener is serviced annually by EWC Service (terms & conditions apply). If you have any problems with this product please contact EWC Service 01279 780250.

Please note the warranty will not cover*:

- a) Misuse, damage or neglect
- b) Freezing of the softener, water pipes, or drain pipes
- c) Excessively high water pressure
- d) Blocking or kinking of supply or drain hoses
- e) Interruption of electricity supply

Warranty calls attributed to any of the above will be chargeable.

* This does not affect your statutory rights

Service

We recommend this water softener is checked and serviced once per year. This would consist of:

- a) Empty and clean out the brine tank & re-commission as per above instructions
- b) Check time of day is correct on timer control (correct if necessary)
- c) Test each function of regeneration cycle as described above
- d) Check for leaks- this should be done regularly i.e. every time the brine tank is filled
- e) Test output water hardness and adjust regenerations to suit. Additional test strips and Service Contracts available from EWC Ltd., Tel:01279 780250
- f) Every other year, (in addition to the above), replace the internal piston seals which are consumable service parts. These are available with full fitting instructions from EWC Ltd., Tel: 01279 780250 or as part of a Service Contract with EWC Ltd

Note: Every single spare part no matter how small is available for this water softener from EWC Ltd. Technical help is also available via the telephone. This means that this water softener, if looked after and maintained properly, should give many years of reliable service.

Trouble Shooting-Timer Controlled Water Softeners

1. Softener Fails to regenerate.
 - a) Electrical Service Interrupted - Check Fuse
 - b) Timer Defective - Replace Timer
 - c) Timer regen pins not set correctly - Refer to commissioning instructions
2. Softener delivers hard water.
 - a) Bypass valve open - Close bypass valve
 - b) No salt in brine tank - Add salt to maintain level above water level
 - c) Injectors plugged - Replace injectors screen
 - d) Insufficient water flowing into brine tank - Check brine tank fill time - clean brine line flow control
 - e) Internal valve leak - Replace seals / Spacers / Piston
 - f) Salt bridged in brine tank - Brine tank appears full of salt but is not. Push a piece of wood into top to collapse bridged salt
3. Unit uses too much salt.
 - a) Improper salt setting - Check setting correct if required
 - b) Softener regenerating too often - Refer to commissioning instructions
 - c) Excess water in brine tank - Refer to problem 7
4. Loss of water pressure & Flow.
 - a) Inlet/outlet valves partially closed - Check bypass valves & correct
 - b) Resin fouled with iron or organic matter - Replace resin
5. Loss of resin through drain line.
 - a) Upper screen broken - Replace internal upper screen - check water pressure - check for fouled resin
6. Loss of resin through the softener outlet.
 - a) Lower screen broken - Replace internal lower screen - check water pressure & or water hammer - check for fouled resin
7. Excessive water in brine tank or salt in service line (water approaching top of brine tank).

- a) Drain hose kinked - Rearrange drain hose to avoid kinking
- b) Plugged drain line flow controller - Clean flow restrictor
- c) Low inlet water pressure - Increase water pressure - shorten drain hose to absolute minimum
- d) Brine valve faulty - Replace brine valve
- e) Timer stopped in brine refill - Replace timer or check electricity supply

8. Softener fails to draw brine.

- a) As per 7 - Refer to 7
- b) Injector plugged - Replace / Clean injector & screen
- c) Internal control leak - Change seals/spacers/piston

9. Control cycles continuously.

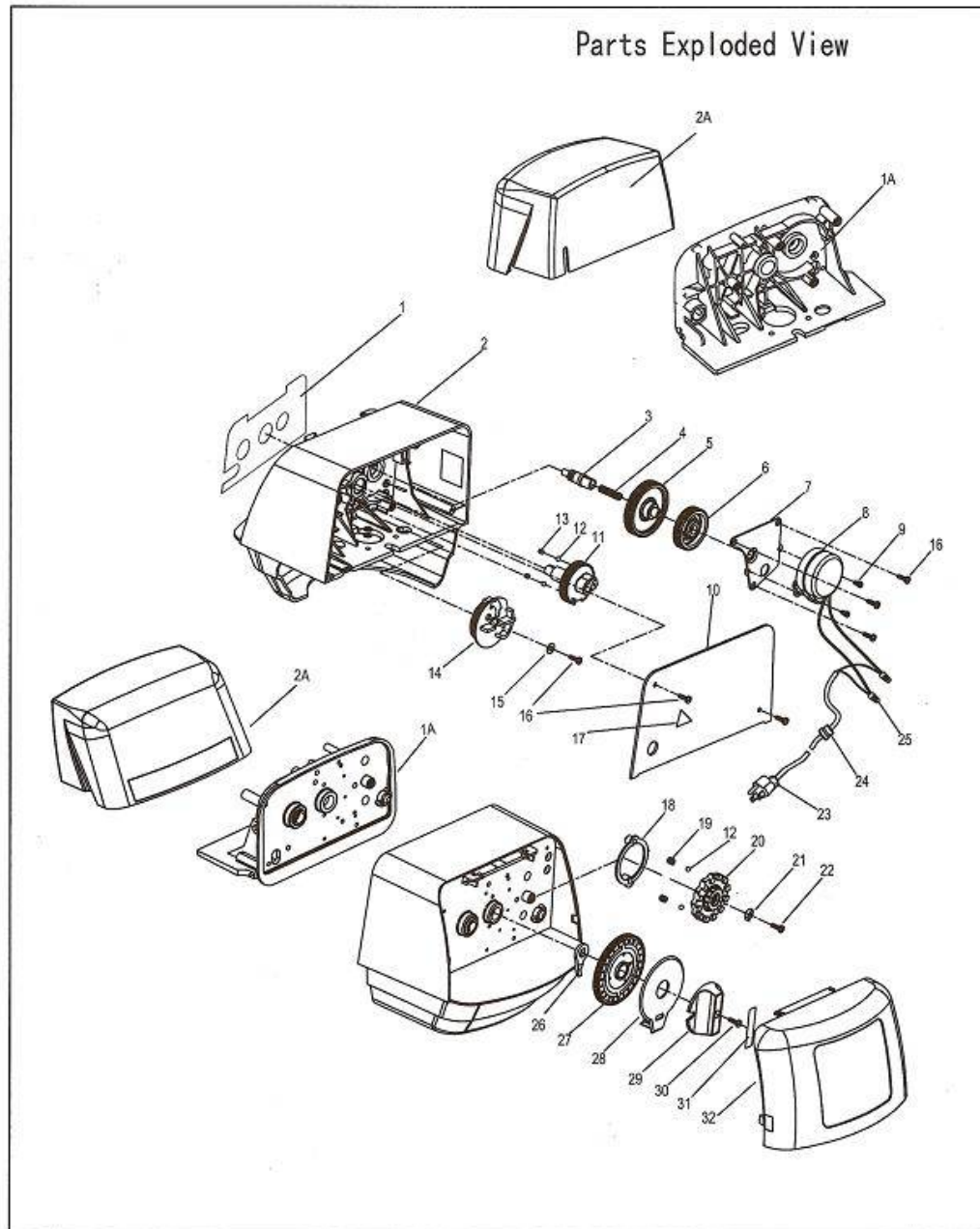
- a) Faulty timer - Replace timer

10. Drain flows continuously.

- a) Faulty brine / drain valve - Replace brine / drain valve
- b) Internal control leak - Change seals / spacers / piston
- c) Control Valve jammed - Change seals / spacers / piston
- d) Timer jammed - Replace timer
- e) Timer motor stopped - Replace timer motor

Note: For advice on DIY repairs or Service Contracts on any of the above faults please telephone EWC Technical Helpline Tel: 01279 780250. Alternatively if you require a service call, please telephone EWC Service on 01279 780250.

Timer Control Valve Drive Assembly

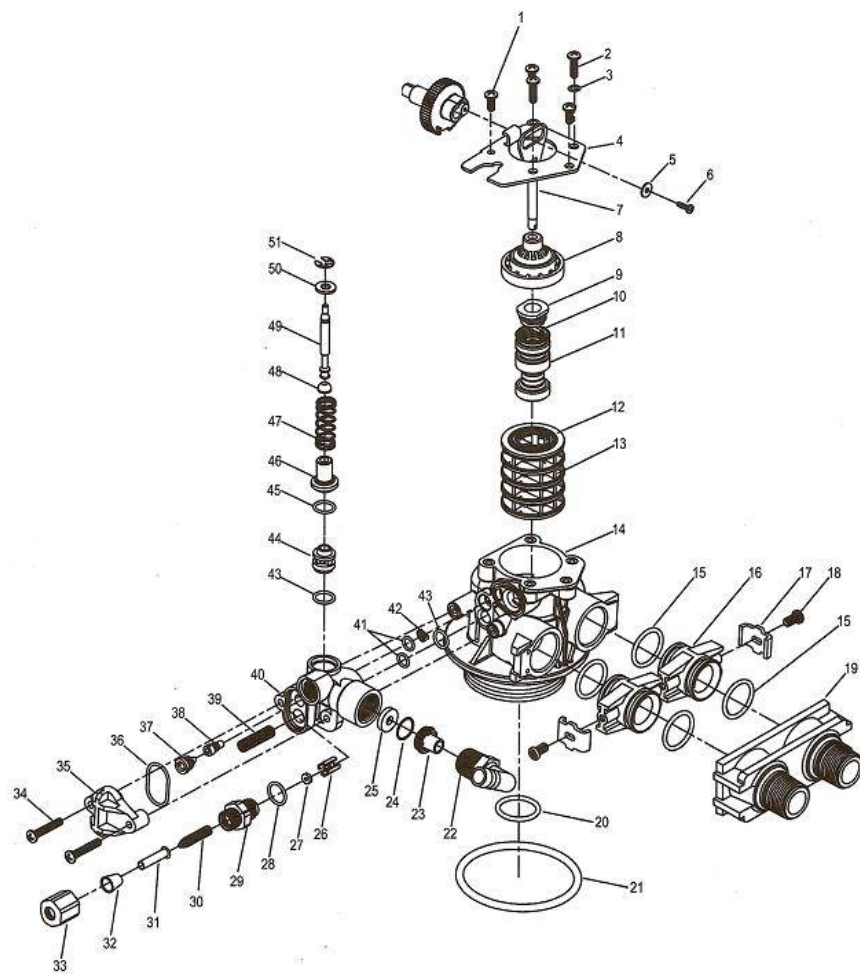


Timer Control Valve Assembly Parts List

Item No.	Quantity	Part No.	Description
1	1	56283	Front Label (C Timer)
--	--	56281	Front Label (E Timer)
2	1	56201	'C' Housing With Pin
1A	1	56204	'L' Housing With Pin
2A	1	56205	Top Cover
3	1	13206	Idler Pointer
4	1	13253	Spring Idler
5	1	13205	Idler Gear
6	1	13204	Drive Gear
7	1	15650	Motor Mounting Plate
8	1	13260	Motor 220V 50Hz
9	(2-3)	02008	Screw, Motor MTG & Ground Wire
10	1	56203	'C' Back Cover
11	1	15601	Main Gear And Shaft
12	4	09001	Ball
13	2	13252	Spring, Detent, Main Gear
14	1	66112	Brine Cam Assembly, 3.5 - 15lbs
15	1	04003	Washer
16	(4-6)	02106	Screw
17	1	56083	Safety Warning Label
18	1	13208	Skipper Wheel Ring
19	2	13254	Spring, Detent, Skipper Wheel
20	1	66109	Skipper Wheel Assembly, 12-Day
21	1	13210	Regeneration Pointer
22	1	02107	Screw, Skipper Wheel Assembly
23	1	07015	Electrical Cord, UK
24	1	07003	Strain Relief
25	2	07002	Wire Connector
26	1	13211	Cycle Actuator Gear
27	1	66115	24-hour Gear Assembly, Silver
28	1	15605-1	Valve Position Dial Standard
29	1	56020	Knob, Manual Regeneration
30	1	02103	Screw, Knob
31	1	15684	Knob Label
32	1	56202	Front Cover

Control Valve Assembly

Parts Exploded View



Control Valve Assembly Parts List

Item No.	Quantity	Part No.	Description
1	3	02001	Screw
2	2	02002	Screw Drive Mounting
3	2	04004	Washer
4	1	56050	End Plug Retainer
5	1	04002	Washer
6	1	02106	Screw
7	1	66117	Piston Rod Assembly
8	1	66118	End Plug Assembly
9	1	56006	Piston Retainer
10	1	00101	Piston Pin
11	1	56053-1	Piston, Softener
12	5	56033	Seal
13	4	56004	Spacer
14	1	56001-1	Valve Body Assembly
15	4	01013	O-Ring. Adapter Coupling
16	2	56017	Adapter Coupling
17	(2-4)	56051	Adapter Clip
18	(2-4)	02105	Screw, Adapter Coupling
19	1	56018	Yoke, Plastic ¾" NPT
20	1	01102	O-Ring. Distributor Tube
21	1	01007	O-Ring, Top Of Tank
22	1	56011	Drine House Barb
23	1	56012	DLFC Button Retainer
24	1	01101	O-Ring DLFC
25	1	56035	DLFC Button 1.5gpm
26	1	56015	BLFC Button Retainer
27	1	56042	BLFC Button, 0.25gpm
28	1	01004	O-Ring, BLFC
29	1	56056	BLFC Fitting
30	1	56060	Screen, Brine Line
31	1	56062	BLFC Tube Insert
32	1	56023	BLFC Ferrule
33	1	56061	BLFC Fitting Nut
34	2	02003	Screw Injector Mounting
35	1	56003	Injector Cover
36	1	01005	O-Ring, Injector Cover
37	1	56070	Injector Nozzle, O#Red
38	1	56071	Injector Throat, O#Red
39	1	56059	Screen, Injector
40	1	56002	Injector Body
41	2	01002	O-Ring Injector
42	1	56014	Air Dispenser
43	2	01006	O-Ring Drain

Item No.	Quantity	Part No.	Description
44	1	56010	Brine Valve Spacer
45	1	01003	O-Ring, Brine Spacer
46	1	66119	Brine Valve Cap Assembly
47	1	56058	Spring, Brine Valve
48	1	56030	Brine Valve Seat
49	1	56054-1	Brine Valve Stem
50	1	04001	Washer, Brine Valve
51	1	04053	Retaining Ring
52	1	56102	BLFC, Plug
53	1	56101	Brine Valve, Plug

Cabinet Assembly

1 x Cabinet (State Model and Size)
 1 x Standard Slimline Salt Lid
 1 x Standard Top Plate
 4 x Press Studs
 1 x Overflow Elbow and Nut

Vessel Assembly

1 x Pressure Vessel (State Model and Size)
 Softener Resin (State Model and Size)
 1 x Riser Assembly (Inc. Bottom Screen)
 1 x Top Screen - Cold Water
 1 x Brine Pick-Up Cold Water
 1 x Brine Elbow F/F
 1 x Brine Elbow M/F

EWC Timer Controlled Water Softener

Model:

Serial No:

Date of Installation:

Water Hardness:

No. of People in Household:

Regeneration Skipper Wheel
Setting:

Pin Numbers Pulled Out

1	2	3	4	5	6	7	8	9	10	11	12

Household System: All Mains Water
Tank in Loft

Installed & Commissioned By:

EUROPEAN DECLARATION OF CONFORMITY

We,

European Water Care Ltd,
Regal House,
South Road,
Harlow
Essex
CM20 2BL

Tel: 0044 (0)1279 780250
Fax: 0044 (0)1279 780268

Declare under our sole responsibility that the following products:

EWC 10, EWC 12, EWC 14, EWC 18, EWC 23, EWC 30 – Time Clock or Metered.
HW 10, HW 12, HW14, HW18, HW23, HW30 – Time Clock or Metered.

to which this document relates is in conformity with the following provisions or Directives:

Directive 2004/108/EC -	Relating to electromagnetic compatibility and repealing Directive 89/336/EEC
Directive 2006/95/EC -	Relating to electrical equipment designed for use within Certain voltage limits

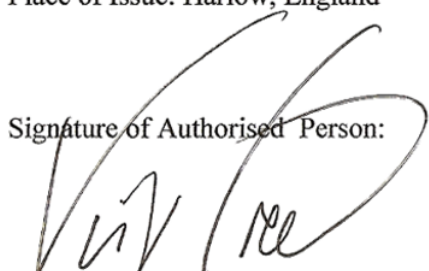
The Technical Construction File is maintained at:

European Water Care Ltd,
Regal House,
South Road,
Harlow
Essex
CM20 2BL

Date of Issue: 01 January 2011

Place of Issue: Harlow, England

Signature of Authorised Person:



Name of Authorised Person: Kit Free