



“CW” SERIES WATER SOFTENER GUARANTEE, INSTALLATION & COMMISSIONING INSTRUCTIONS



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WATER SOFTENER INSTALLATION INSTRUCTIONS

- 1) Softeners should always be installed on firm level ground.
- 2) The supplies to the softener should be capable of being isolated as close as possible to the softener and a piped by-pass should be included if the softener does not already have one.
- 3) The connections should be made with flexible hoses with regard to the flow direction arrows on the connection manifold and the push fit hose connection for the drain should be run to an open faucet to prevent syphonage. If the unit is supplied with a separate salt tank, you will need to connect the brine line from the air check elbow to the tank, ensuring the brass inserts are fitted within the pipe.
- 4) The incoming supply to the softener should include a non-return valve.
- 5) It is important that a pressure test is carried out, the maximum working pressure is 5 bar, minimum pressure 1.4 bar.

The provision of an overflow in case of overfilling of the brine tank should also be provided to the “push fit” elbow on the side of the tank.

- 6) Connect the transformer provided to a continuous electrical supply with the power offer. Plug the flying lead from the transformer into the electrical connection on the controller. Ensure flying lead cannot get caught on the camshaft or any moving parts on the softener valve.

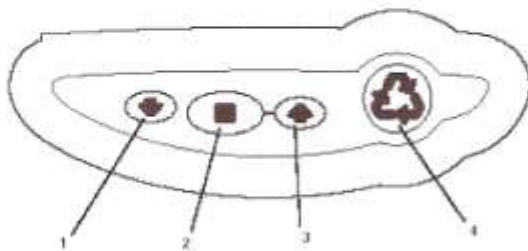
Preparing and putting softener into service

- 7) Now the all the connections have been completed put approximately 5 litres of water into the brine tank. You may also at this point put a quantity of salt into the tank. Do not allow the salt level in the brine tank to exceed the height of the overflow. The amount of salt used will depend on the type and model of the softener you have, you should never let the brine tank become empty of salt and it is advisable to check the salt levels on a regular basis until a usage pattern has been established.
- 8) You should now complete any programming instructions that may apply to your particular softener. During the commissioning process an initial regeneration you can confirm that the softener has no leaks from the installation valves and that the water runs free. This regeneration will also assist in cleaning any potential air locks that may be present within the system. The regeneration will also reset any internal meter or timer devices that dictate the frequency of the regeneration cycle.

Quick Set Up Guide

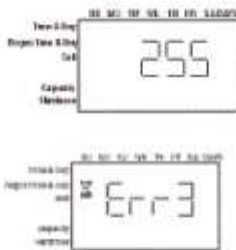
The main user guide should only be used for reference purposes, please use this guide for initial programming.

Your Softener should already have been set up with the basic settings in the factory! The only settings you should need to enter are the time of day, day of week .



1. Down arrow. Used to scroll down or increment through a group of choices.
2. Set. Used to accept a setting to store in the memory.
3. Up arrow. Used to scroll up or increment up through a group of choices.
4. Regenerate. Used to command the controller to regenerate.

Before starting this process ensure that the softener is connected correctly to the water and power supplies.



Initial Power Up.

Plug the transformer into the rear of the control panel; this is located to the left top corner of the panel if viewing from the front. Once the power is connected the display should show 255, on occasions the display may flash between time and regeneration with the regen symbol flashing, press set button to clear. During the set up process the display may revert to service mode (after 25 seconds) by repeatedly pressing the set button you can scroll to the part of the set up programme you require. If you receive an ERR3 message allow the cam shaft to turn for a few moments and this code should disappear. If the cam does not move Check that the Cam Shaft is fitted correctly and that the optical sensor is in position.

Set Time.

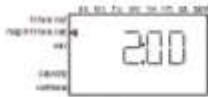


Press the set button. The TIME should now be flashing, use the up and down arrows to set the correct time of day (24hrs format). Once the correct time has been selected, press the set button to confirm. The following will then be displayed.

Set Day of the Week.



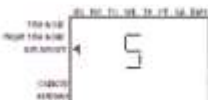
Press the set button to display the screen shown. The display will flash, use the up and down buttons to advance the arrow to underneath the correct day. Once under the correct day press the set button to confirm. The following will then be displayed.



Press the set button to accept this setting and again to the next setting.



Use this setting to set the frequency of regeneration. Set to 2 if unsure.



This display will show one of the following letters S, L or H. This is dependant on the model you have and has been pre-set at the factory. (Typically set on H for 10L & S for 15L)

Press the set button to advance to the next setting. The following will then be displayed.



A number with Kg after will appear on the display. This figure will be pre-set at the factory.

Press the set button again to advance to the next setting. The following will then be displayed.



Setting the Hardness.

Press the set button and the display will flash, use the up and down arrows to enter the water hardness in ppm then press the set button to confirm the setting.



The display should then revert to the time display.

Once you are satisfied that the Softener is both plumbed in and set up correctly it is ready for commissioning.

Normal Valve Operation

During normal valve operation the 740 will display the time of day. The 760 will alternate between the time of day and the volume of water remaining in cubic meters before the system will need to regenerate.



GUARANTEES AND SERVICE

The owner of a **GM Autoflow** water softener is protected by the following guarantees, which include the right to exchange or repair in the case of a manufacturer's defect for up to:

*1 year on valve
5 years on brine tank or cabinet
5 years on resin vessel*

The guarantees are under condition that the softener is installed according to local regulations and to the manufacturer's instructions as specified below:

- 1) It is very important that the water temperature of 50 centigrade for CW Series (cold water) and 65 degrees for HW Series (hot water) is never exceeded.
- 2) There must always be suitable salt in the brine tank.
- 3) The electrical supply must never be switched off.
- 4) After a power outage the programmer timer must be re-adjusted (timer models only)
- 5) The inlet and outlet valves must always be open. The by-pass valve must always be closed.

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