



## REGENERATION OF MANUAL WATER SOFTENERS



chemisphere uk ltd

the home of purple pipeline

**THIS BOOKLET CONTAINS INSTRUCTIONS FOR;**



Water Softeners

**OTHER PRODUCTS AVAILABLE;**



Water Hardening Kits

REGENERATION OF MANUAL WATER SOFTENERS

Manual Water Softeners Protocol

02 - 05

**How to order**

Freephone: **0800 0188 062**

Email: [contactus@chemisphereuk.co.uk](mailto:contactus@chemisphereuk.co.uk)

Fax: **01536 411 210**

**Emergency Contact Number**

In the event of an emergency call this number to talk to an advisor

**0800 0188 062**

## RECOMMENDED PRODUCTS:

Water Softener  
Granular Salt

## WATER SOFTENERS

Water softeners are fitted to machines that operate in hard water areas. They benefit both the machine they serve and the items that are washed in it. Dependant on the water hardness, they should be regenerated on a weekly basis, more in very hard water conditions. When in service the valve handles should be in this position. Both handles are pointing to the mains feed hoses. The top hose is from the incoming water main, the bottom feeds the machine.



**01** To regenerate, turn the top valve away from the mains feed hose and towards the clear plastic tube. Water will spurt out of the clear tube under pressure, so hold on to it and place the end into a bucket.

**02** Once the pressure has been released and the excess water has ceased running out of the hose, remove the softener lid. This is done by unscrewing the nut and sliding out the bridge. At this point the resin in the vessel should be visible.



## REGENERATION OF MANUAL WATER SOFTENERS

03

Add 2 pints of Granular Salt directly into this size of softener - a softener twice the size will require twice the amount of salt, i.e. 4 pints. Granular Salt is the preferred choice as it is the most efficient and economical.

04

Reassemble the top of the softener, first having wiped stray resin beads away from the black neoprene seal and the underside of the stainless steel vessel to ensure a good seal and to avoid water leaks.

05

Turn the bottom valve towards the clear plastic drain tube and away from the main feed hose.

06

Return the top valve to its original position, i.e. towards the mains feed hose and away from the clear plastic tube. The effect of this is to drive salt-laden water out through the bottom valve and off to waste via the clear plastic tube.

03



04



05



06



07

After 20 minutes or so, sample the water by tasting. If there is no salt evident, return the bottom valve to its original position, i.e. towards the mains feed hose and away from the clear plastic tube.

You are now back where you started from but with a fully charged-up resin bed and a glasswashing system back in service.

## INSTALLATION HINTS

- If at all possible, do not run the softener waste into the machine. Residual salt will get into the wash tank and will deposit itself on the washed product, turning the glasses white and imparting a salty flavour to the products served in them.
- Do not put the softener waste tube down the common drain. Remember, you need to taste the output to ensure completed regeneration: do you fancy licking your finger after it has been down the drain?
- Whoever installs your manual water softener for you, insist that the clear plastic waste tube be run to somewhere clean, accessible and sensible; and that the length of the tube be extended if necessary.

07



“I’ve had this water softener fitted: now I have to fill the machine by hand and it’s not rinsing the detergent off the glasses”

**Check the position of the valves.**

“I’ve regenerated the water softener and now the glasses are white, all over”.

**After putting the salt in, was sufficient time allowed to flush all the salt out of the softener? Did you taste the output water?**

“There is no water coming out of the drain valve?”

**In the outlet of the bottom valve, there is a restricting nut with a very small outlet hole. This can be blocked with a stray resin bead. Turn the bottom valve to the upright position, unscrew and remove the nut. Clear the blockage. Replace and continue the regeneration.**

“When I turn the top tap to the drain position, the water continues to flow under pressure.”

**The top valve probably needs replacing. Call your machine service company.**

“When I replace the lid and turn the top valve back, the water leaks from the top despite having cleaned the seal and the vessel?”

**Firstly, check the seal is correctly in place. If the leak continues, there is a good possibility the lid assembly needs replacement.**

“Even though I regenerate every week with 2 pints of salt, my glasses and glasswasher are covered in lime scale.”

**Has somebody inadvertently discarded the resin? The life of well maintained (regularly regenerated) resin is thought to be around 20 years, so it doesn’t need to be replaced too often!**

**UNDER NO CIRCUMSTANCES EMPTY THE RESIN (THE FINE BROWN GRANULES) FROM THE VESSEL.**



**chemisphere uk ltd**  
the home of purple pipeline

Freephone: **0800 0188 062**

Fax: **01536 411 210**

Email: [contactus@chemisphereuk.co.uk](mailto:contactus@chemisphereuk.co.uk)

Website: [www.chemisphereuk.com](http://www.chemisphereuk.com)