



**BROCHURE**

# **14 X 65 CLACK WATER SOFTENER**

# COMMERCIAL WATER SOFTENERS

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Water softeners modify the physical and chemical composition of water reducing calcium and magnesium which cause scaling.

The water to be softened passes through a cylinder containing ion-exchanging resins. The hardness salts of calcium and magnesium are attracted to the resin and removed from the water supply.

The resin is automatically cleaned (regenerated) by rinsing a brine solution through the cylinder. The accumulated hardness does not enter the water supply but is automatically flushed into nearby drain. Refreshed by regeneration, the resin is again ready to remove hardness causing minerals from water.

Regeneration is programmed to occur at a time when there is no or lower demand .

The cycle can be programmed to occur according to water hardness and the volume of water used between cycles.

Regeneration can also be made manually as and when required.

## **Industries:**

- Hotels, Restaurants, & Café (HoReCa)
- Leisure
- Professional Kitchens
- Medium to Large Sized Offices
- Pharmaceutical
- Medical Technology



# SPECIFICATIONS

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## TECHNICAL DATA

Model	14x65 WS
Service Flow Rate (m3/hr)	4.0
Resin Volume	100 L
Vessel Size (DxH)	14 x 65
Volume between regens @300ppm CaCO3	16.7 m3
Salt Used per Regen (kg)	15.00
Brine Tank Volume	100 L

## VALVE

Softener control valves are sized and specified according to the flow rate of the application.

The inlet and outlet connection ports generally range between 3/4" and 3" for standard control valves with flow rates up to 50m3 per hour.

Steady demand applications are suitable for either timer control or volume control via in-built metering.

# MAINTENANCE

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Automatic water softeners need a supply of appropriate salt to make the required brine for regeneration purposes.

Salt is most commonly supplied in 25kg bags of either granular or tablet type.

This type of salt is manufactured specifically for water softening purposes and has a very high purity level.

Other types of salt should not be used due to the levels of impurity or additives.

The only attention required from the user is to check on a regular basis that the level of salt in the brine tank is kept topped up to ensure a saturated brine solution is available for regeneration.

Although softeners are very reliable, as with any other piece of essential plant, routine servicing is strongly recommended. This will ensure many years of reliable service from the plant.



Routine professional servicing by our experienced service team is also strongly recommended, for peace of mind and continued operational performance.

# WHY CHOOSE CELTIC WATER SOLUTIONS

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## UNMATCHED EXPERTISE

We bring in a wealth of experience to get through any water treatment job. Proudly Ireland's No. 1 water treatment company.



## TRUSTED BY 50,000+ CUSTOMERS

Over the course of 20 years, we've earned a reputation as a trusted & reliable source of all water treatment needs.



## NATIONWIDE COVERAGE

With an active presence in all the counties, you can get prompt & proactive service when you buy from us. We're just a call away!



## PROFESIONAL INSTALLATION

Professional installation from qualified & experienced technicians ensures the product is customized as per your need & space.

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We here in Thermo King Galway began using Celtic Water Solutions two years ago for all our water treatment needs, including water softeners, water coolers, water testing, etc.

Thermo King have just installed a new Ecoat painting system which was a \$3,000,000 dollar project. The water treatment part of this project was carried out by Celtic Water Solutions, this was a big part of the project and had to be overseen by E.P.A.

We are quite happy to continue doing business with this company into the future.

**Gerry Gannon**

*Maintenance Co-Ordinator*





## Our Office

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