

WHY SOFTEN WATER?

Hard water contains excess levels of dissolved chemicals such as calcium, magnesium, manganese and iron and can cause significant problems with scale buildup on pipes and water heaters. Hardness will also reduce the effectiveness of soaps by forming a sticky scum. Removing hardness from your water has a wide range of benefits:



TOUCH

Discover softer, smoother skin and hair. With soft water you'll be amazed at how much better your skin and hair will look and feel.



LOOK

Enjoy whiter, brighter laundry. Detergents work better in soft water, so you'll notice better laundering results and your clothes will last longer.

Hard water stains on bathrooms, glass, baths, tiles and cookware, cutlery and glassware are gone when washed with soft water.



TASTE

Enjoy great drinking water right at your tap. Water is conveniently available without the hassles of bottled water.



SAVE

Save money on soaps and cleaning products. Using soft water means you'll use less detergents and cleaners yet still have better cleaning results. You'll also find that you save time while cleaning.

Protect your water-using appliances. Clean soft water will help your appliances work better and last longer, while keeping your plumbing free from scale build-up.

Available from:

DEPEND ON
DAVEY

WATER PRODUCTS



Winner
Premier's
Sustainability
Award 2008



Visit Davey on-line for further information
davey.com.au

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SOFT WATER DOESN'T HAVE TO BE HARD



DAVEY
Softener
with Kinetico®
Kinetico



Non-Electric



24/7



Metered
Regeneration



Soft Water
Rinse



Countercurrent
Regeneration

- SOFT WATER • BETTER FOR CLOTHES,
APPLIANCES, DRINKING & COOKING •
- NON-ELECTRIC - 24/7 OPERATION •

DEPEND ON
DAVEY

WATER PRODUCTS

Hard water can mean hard work... hard work in the kitchen, laundry & bathroom. Davey's Kinetic water softeners offer a hard working alternative to make your life easier by dependably providing soft clean water.

FEATURES & BENEFITS



NON ELECTRIC

Only Davey Kinetic uses the kinetic energy of moving water to power its system instead of electricity – thanks to the patented turbine. So you'll never have to worry about costly repairs or higher electricity bills.



24/7

Our twin tank design allows our system to backwash without ever going offline for round the clock operation. You'll never be interrupted or inconvenienced by regeneration.



METERED REGENERATION

Measures water use to accurately determine when it's time to regenerate with clock like precision, resulting in up to 20% less waste water and up to 40% savings in salt. Your softener automatically adjusts to your water use patterns.



SOFT WATER RINSE

Uses only soft conditioned water to clean the media, which extends the life of the system.



COUNTER CURRENT REGENERATION

Unlike most other systems, ours regenerates from the bottom up for a more even and efficient use of resin beads, resulting in less waste water, less salt use and a longer lasting system.

HOW SOFTENING WORKS

Excess levels of dissolved chemicals such as calcium, magnesium, manganese and iron are removed from water in a simple process called ion exchange.

1

A resin bead bed inside the softener is loaded with sodium ions made from dissolved salt.

3

Once the resin is saturated with calcium and magnesium the beads are regenerated with a salt solution. The built up calcium and magnesium is flushed away.

2

The hard water is passed over the resin beads and the sodium ions are released as the calcium and other chemicals are absorbed on the beads.



SELECTING A SYSTEM FOR MAINS TREATED WATER*

The selection of an efficient softener for mains water requires matching these parameters to suit your application:

1

How hard is your water? – consult your Davey dealer, water provider or have a water test performed

2

How much water to you need? – what is the peak flow required?

3

Use the selection table or pass this information onto your Davey water specialist for a recommendation.

Model		MACH2020S HF	MACH2025S	MACH2060S	MACH2060S OD
Peak Flow Rate Litres per minute		32	45	68	114
Hardness	Total Hardness level mg/L CaCO ₃	Disc number / water produced between regeneration (litres)			
Moderately Hard	20-60	1 / 1,476	1 / 3,785	1 / 4,732	1 / 15,899
Hard	60-120	2 / 738	2 / 1,892	1 / 4,732	2 / 7,949
Very Hard	120-180	3 / 492	3 / 1,261	2 / 2,366	3 / 5,299
Very, Very Hard	180-250	4 / 369	4 / 946	4 / 1,183	4 / 3,974
Extremely Hard	Over 250	4 / 369	5 / 757	4 / 1,183	5 / 3,179

* If your water supply is not treated mains water you will need to contact your Davey Water specialist. Other water supplies such as bore water may need iron, manganese and other metal removal and biological disinfection. Conduct a water test.