

### Advanced features at a glance

- Compact sizes – designed and developed for UK homes
- Constant flow rates for power showers and multiple bathroom applications
- Accurate performance figures\*\*\* for simple sizing
- Block and Tablet salt modes – Including low salt alarm
- Advanced rotary valve for greater reliability
- Advanced electronic control system
- Eco sensitive – proportional brining for greater efficiency – saving water and salt
- Data logging provides information such as water flow rate and water usage between regenerations
- Low voltage small diameter cable for safety and easy installation
- High capacity food grade monosphere resin with regular bead size for the maximum amount of softened water between regenerations

Model	MC450 Ultra S	MC550 Ultra S
	10 Litre water softener	14 Litre water softener
Valve Control System	Electronic Meter	Electronic Meter
Valve Type	Rotary	Rotary
Salt Type	Block/Tablet	Block/Tablet
People Days Capacity	13	19
Proportional Brining	Yes	Yes
Salt used per Regeneration** Min/ Max Kg	0.3/1.4	0.6/2.2
Flow Rate* Min / Cont. / Max	10 / 30 / 50	10 / 35 / 50
Nominal Flow Rate***	24	28
Water used Per Regeneration**	<80	<90
Salt Storage Capacity Kg Block/Tablet	8 / 15	8 / 20
Capacity of Vessel Litres	10	14
Maximum Softened Water Capacity litres	1667	2500
Maximum Working Pressure Bar	5	5
Minimum Working Pressure	1.7	1.7
Electrical supply/Transformer	230 AC / 12 DC	230 AC / 12 DC
Inlet /outlet Straight Connectors	3/4"	3/4"
Drain Connection	1/2"	1/2"
Height mm	532	602
Depth excl. fittings	480	480
Width mm	270	270
Part Number	MC450S	MC550S

\* Flow rates are from 10 and up to a peak of 50 litres a minute. At flow rates under 10 litres per minute; the hardness may not be effectively removed from the water. If peak flow rates are sustained for longer than ten minutes the softener capacity may be reduced resulting in hard water break through.

\*\* The proportional brining control system calculates the exact amount of water and salt required to regenerate the Water softener. The amounts used will vary depending on the remaining capacity of the resin bed.

\*\*\* Calculated in accordance with CEN 164.



ultra



WATERSIDE

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The new ultra S range

The Waterside MC ultra S range of water softeners represents a significant step forward in water softener design. It's ergonomically designed cabinets sits comfortably in most kitchen environments and houses a host of sophisticated and efficient features, including 'back lit' liquid crystal display, electronic controls, and an advanced rotary valve.

Designed for the 21st century, the Waterside Ultra S range has been developed to meet the demands of today's busy lifestyles. Each model delivers copious amounts of softened water, at flow rates designed to meet the demands of modern combination boilers, power showers and unvented or pressurised hot water systems.

#### Standards:

- ✓ WRAS Approved components
- ✓ Test in accordance with European standard CEN 164
- ✓ CE Approved
- ✓ Pressure directive approved
- ✓ Valve wet test prior to despatch

*'Advanced processes...  
...saving salt, water and energy'*

*'In some cases the  
smaller unit can even  
slide beneath a sink...'*

*'Choose the simplicity and  
convenience of block salt or the  
cost efficiency of tablet salt'*

#### Simplicity

Each model is simple to set up, install and operate, and uses less water and salt than many other similar sized water softeners. This high level efficiency is due to our on-going design and development policy resulting in a design, which includes an innovative bed, high efficiency food grade monospheric resin, a rotary valve and an advanced memory electronic control system (AMECS).

#### More choice

The Waterside Ultra S range of water softeners is available in two sizes and gives you the option of choosing at the touch of a button between the simplicity and convenience of block salt or the cost efficiency of tablet salt. Whilst an integral salt alarm takes away the need to remember when next to top up the supply.

#### Easy installation

The compact size of each unit makes choosing a location to site your new water softener even easier. Low voltage electrics makes it unnecessary in most cases to run an additional mains spur to the unit, instead a low voltage small diameter extension cable can be easily fed back to an existing 13 amp socket up to seven metres away.

#### Designed for your home

The new Waterside range has been developed to blend in with it's surrounding, wherever it is placed. Both models will fit inside a standard 600mm wide kitchen base unit; and in some cases the smaller unit even slides beneath a sink or drawer. Ergonomically designed, with clean smooth lines and pastel colours, the Waterside range will compliment a wide range of kitchen styles and rarely needs more than a quick wipe over to stay looking as good as new.

#### Sensitive to the environment

All water softeners regenerate periodically, using salt and water in the softening process. The Waterside Ultra S range incorporates a series of advanced processes to ensure that regeneration takes place only when necessary, saving salt, water and energy.

#### Proportional Brining

The integrated electronic control system monitors your softened water usage making only enough brine (salt solution) to regenerate that part of the resin bed that has been exhausted. In this way the amount of salt, water and energy consumed relates directly to the amount of softened water used, making it more efficient and cost effective.

#### Counter regeneration

This means brine solution first passes through unused resin at the bottom of the resin bed, ensuring that the whole bed is treated with no wastage. This reduces the amount of water used in the regeneration cycle.

#### Lifestyle monitor – for greater efficiency

Day by day, hour-by-hour, the electronic control system captures data on the amount of water you and your family are using, and stores the information in its memory. Cleverly distinguishing between high usage days, usually weekends, and low usage weekdays, it will only regenerate when necessary, saving salt, water and energy whilst ensuring you still have the correct amount of softened water on tap at the start of each day.