

Why Soften?

Benefits of Water Treatment...

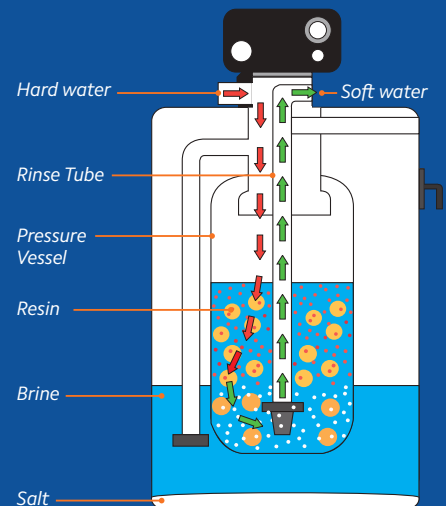
The increased levels of calcium and magnesium found in hard water will lead to premature scaling if left untreated. Problems such as early and increased replacement of heating elements, pipework and valves can often be costly and unpredictable but this can be reduced by installing a softener or conditioning system.

- ✓ **Improved system efficiencies**
- ✓ **Extended equipment lifespan protection**
- ✓ **Reduced business operational costs**
- ✓ **Low start up and running costs**
- ✓ **Prevents scaling**
- ✓ **RO Membrane protection**
- ✓ **Fewer engineer callouts**
- ✓ **Less chemical use**
- ✓ **Reduced energy consumption**



The Softening Process

Softening is the process of removing dissolved calcium and magnesium salts that cause hardness in water. It is achieved either by adding chemicals that form insoluble precipitates or by ion exchange. Ion exchange is accomplished by passing the water through columns of a natural or synthetic resin that trades sodium ions for calcium and magnesium ions. Ion-exchange columns must eventually be regenerated by washing with a brine solution.



Compact and Aesthetic Softener



 **SPECTRUM**

PED

Compliant

Article 4, Paragraph 3
Group 2 Liquids

 **WRAS**
APPROVED PRODUCT

Prevents Limescale



SWS Cabinet Systems

Up to 57 litres per minute

With soft water requirements changing from application to application the SWS Cabinet provides the user complete control over the product water quality. With the addition of a blend valve as standard the system can provide fully softened water or a mix to meet the exact specification required. The units have been designed for ease of use with a fully integrated touch screen interface, providing quick and easy access to the softener control. A benefit of these systems is the combined resin and brine tank which results in a reduced footprint. An available extra is a chlorinator, which produces residual chlorine through electrolytic reaction, killing bacteria and other microbes.



Key Features

- Smart Clean technology - System flushes automatically during periods of scheduled downtime
- You're in control - Complete control over softening and regeneration cycles
- Easy on the eye - Contemporary durable design
- Easily programmable shut-down mode

Easy-to-use Touchscreen Controller



Salt Levels

Display reminds you to add salt

Residential Setting

Capacity calculated based on number of people in the household

Water Capacity

Displays total water volume

Salt Dosage

System setting determines salt dosage used per regeneration



SWS-0.5M
¾" or 1" Ports

SWS-2.2M
¾" or 1" Ports



Specification

Electrical Requirements

110-240V 50/60Hz 12V AC 650mA

Operating Temperature Range 3 - 38 °C

Operating Pressure Range 1.4 - 8.6 bar

Softening Resin SPECTRUM SRSO

SWS-0.5M includes 10L / SWS-2.2M includes 43L

Salt (hydrosoft) available to order separately

Blend Valve

Provides complete control over treated water quality

Power Backup

Keep track of regeneration cycles in the event of a power cut

Part Number

Part Number	Optimal Flow Rate (lpm)	Resin Vessel Size	Total Hardness Capacity (mg)	Water Used Per Regen (L)*	Hardness (ppm)	Litres of Water Used Per Day (lpd)				
						500	1000	2000	4000	5000
SWS-0.5M	13	10" x 15"	500,000	48	100	8	4	2	1	1
					200	4	2	1		
					300	2	1			
SWS-2.2M	57	11" x 44"	2,200,000	235	100	35	17	9	4	3
					200	17	9	4	2	1
					300	11	6	3	1	1

Days Between Regen

* Based on 4 bar feed pressure 15°C feed temperature and optimal service flow rate

