

Clack WS1 Softener + Carbon Filter

Soft water and chlorine-free water from one 2-in-1 system

The control valve is the brain of a water softener — it decides when to regenerate, how much water and salt to use, and how reliably the system runs for years. That is why our softeners are built on the Clack WS series. The WS1 is a proven, standard valve: parts are widely available, any qualified technician can service it, and you are never locked into proprietary parts or a single dealer. In this 2-in-1 combination system, the WS1 softener works with a catalytic carbon stage, so one system softens your water and strips chlorine, chloramine, bad taste and odours.

What it does for your home

Regenerates on use, not just on a timer. A built-in meter tracks the water your household actually uses, so the system cleans itself when it needs to — saving salt and water.

Settings survive a power outage. Operating data is held in non-volatile memory, with a lithium battery back-up that carries the clock for up to eight hours.

A deeper clean when it counts. An optional second backwash improves cleaning and regeneration efficiency on tougher water.

Flexible programming. Up to six cycles, dozens of pre-programmed regeneration combinations, a 1-to-28-day override, and downflow or upflow regeneration.

Easy to live with. Front-panel settings on a solid-state microprocessor, a safe low-voltage (15 V DC) power supply, and refill with pre- or post-treated water.

Built to last. A fibre-reinforced composite body, a one-piece seal and spacer stack, and a linearly reciprocating piston driven by a proven DC drive.

Chlorine and chloramine, gone. Catalytic carbon combines adsorption with a catalytic surface that actively breaks down chloramine and hydrogen sulphide — contaminants standard carbon struggles with. The result: chlorine, chloramine, bad taste and odours gone, on top of soft water. Chlorine shortens the life of softener resin and destroys RO membranes, so in this 2-in-1 system the carbon removes it before it reaches the resin, protecting it — and any UV or RO downstream too.

Low-maintenance carbon bed. Water flows through the carbon bed, the system backwashes on a schedule to keep the bed clean, and the media typically lasts for years. We size the carbon stage to your flow rate and chlorine or chloramine levels so nothing slips through.



Clack WS1 Water Specialist control valve

Service flow (15 psi drop)	27 gpm
Backwash flow (25 psi drop)	27 gpm
Softener tanks	6–21 in dia.
Operating pressure	20–125 psi
Weight	4.5 lb

From 360WATER: 2-in-1 combination systems sized to your home and your water — well water and town water are sized differently. 12 months interest-free financing is arranged in-house, with no third-party finance company. Every recommendation starts with a free water test.

Warranty: Your 2-in-1 combination system is covered for ten (10) years from the date of installation — control valve and components, media tank and brine tank. Consumables such as media (including softener resin and catalytic carbon), injectors, screens, seal packs and softener salt are not covered, and labour and service call charges are not included. Your full warranty letter, with all terms, comes with your installation.

Specifications — Clack WS1

Certified to NSF/ANSI 44, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372. IP54 rated (IP55 with optional weather cover). Designed, assembled, and air- and water-tested in Wisconsin, USA. Works with sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines. Tank applications: softener and filter, 6 in – 21 in diameter.

General

Inlet / outlet fittings	1 in – 1.25 in NPT; 3/4 in – 1.5 in sweat; 3/4 in – 1.5 in solvent; 3/4 in – 1 in SharkBite; 3/4 in – 1 in John Guest
Cycles	Up to 6
Valve material	Fibre-reinforced composite
Regeneration	Downflow (downflow / upflow capable)
Operating pressure	20 – 125 psi
Operating temperature	40 – 110 °F
Options	Backwash filter, bypass, weather cover

Flow rates

Service at 15 psi drop	27 gpm (incl. meter, bypass, 1.25 in fitting kit)
Backwash at 25 psi drop	27 gpm (incl. bypass)
Cv — service / backwash	7.0 / 5.4

Meter

Accuracy	+/- 5%
Flow rate range	0.25 – 27 gpm
Gallon range	20 – 50,000 gallons
Totalizer	1,000 – 9,999,000 gallons

Dimensions and weight

Distributor pilot	1.050 in OD pipe (3/4 in NPS)
Drain line	3/4 in or 1 in NPT
Brine line	3/8 in or 1/2 in OD poly tube
Mounting base	2-1/2 in – 8 NPSM
Height from top of tank	7-3/8 in
Weight	4.5 lb

Electrical (US supply)

Supply voltage / frequency	100 – 120 VAC, 50/60 Hz
Output	15 VDC, 500 mA
International supply	200 – 240 VAC, 50/60 Hz; 15 VDC, 500 mA out

Cycle of operation

Backwash — 1st (upflow)				6 - 12 minutes
Regenerant	draw	/	slow rinse	45 - 75 minutes
(downflow)				
Backwash — 2nd (upflow)				3 - 12 minutes
Fast rinse (downflow)				3 - 8 minutes
Regenerant refill				As programmed — in service, with treated water

Not sure which size you need? Bring a water sample by the showroom — testing is free — and we will recommend the right system for your water and your household. No obligation, and no pressure if the numbers say you do not need one yet.

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