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Clack WS1 Iron Filter

The valve at the heart of our iron filters

The control valve is the brain of an iron filter — it decides when to backwash and how reliably the system runs for years. That is why our iron filters are built on the Clack WS series, with Katalox-Light catalytic filter media in the tank. 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.

What it does for your home

- **Katalox-Light does the iron work.** The catalytic media oxidizes dissolved (clear-water) iron and captures it on the media bed — tackling orange staining, metallic taste and sediment, plus manganese and sulphur odours.
- **Backwashes itself clean.** On a programmed schedule the system reverses the flow, flushes trapped iron down the drain and cleans the media bed — no chemicals, salt or chlorine to buy or add.
- **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 on tougher water with higher iron.
- **Flexible programming.** Up to six cycles, dozens of pre-programmed backwash combinations, a 1-to-28-day override, and downflow or upflow operation.
- **Easy to live with, built to last.** Front-panel settings on a solid-state microprocessor, a safe low-voltage (15 V DC) power supply, a fibre-reinforced composite body, and a one-piece seal and spacer stack with a proven DC drive.



Clack WS1 Water Specialist control valve

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

From 360WATER: Iron filters sized to your water — iron level and type, manganese, sulphur and pH decide the system, and we check that your well pump can deliver the flow a proper backwash needs. **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 iron filter is covered for ten (10) years from the date of installation — control valve and components, and the media tank. Consumables such as filter media 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/CAN 61 and NSF/ANSI/CAN 372. IP54 rated (IP55 with optional weather cover). Designed and assembled in Wisconsin, USA. For backwashing filter tanks 6 in – 21 in diameter, with Katalox-Light catalytic media — no chemicals, salt or chlorine.

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
Operation	Automatic backwashing filter control
Operating pressure	20 – 125 psi
Operating temperature	40 – 110 °F
Options	Backwash filter, bypass, weather cover
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
Mounting base	2-1/2 in – 8 NPSM
Height from top of tank	7-3/8 in
Weight	4.5 lb
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
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
Filter media — Katalox-Light	
Media type	Katalox-Light catalytic media
Targets	Iron, manganese and sulphur odours
How it works	Oxidizes dissolved iron, captures it on the bed; backwash flushes it to drain
Chemicals	None added — no salt or chlorine
Cycle of operation	
Backwash — 1st (upflow)	6 – 12 minutes
Backwash — 2nd (upflow)	3 – 12 minutes
Fast rinse (downflow)	3 – 8 minutes

Not sure you need a dedicated iron filter? Bring a water sample by the showroom — testing is free. A softener alone handles up to about 2 ppm of clear-water iron — in some cases, only 1 ppm — which covers many wells; if your numbers say a softener is enough, we will tell you plainly. No obligation.

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