

FILTEC Domestic Water Softeners

With a FILTEC Water Softener/Conditioner you no longer have to put up with the problems caused by a hard or iron* tainted water supply.

When water contains a significant amount of **CALCIUM and MAGNESIUM SCALE**, it is called hard water. Hard water is known to clog pipes and impede soap and detergent dissolving in water. Water softening is a technique that removes the calcium and magnesium ions that cause the water to be hard. Iron and manganese ions may also be removed during softening.

Filtec domestic/light commercial water softeners are available in five sizes, from 400 to 3000 L/hr capacity. The size will depend on water usage and degree of total hardness of the water supply.

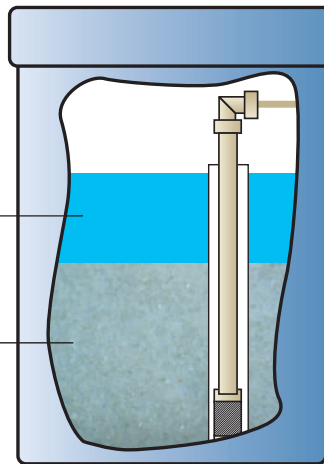
They are extremely easy to operate — just set the controller initially and then replenish the salt in the brine tank only as required. No user adjustments are needed as the Filtec controller adjusts to accommodate changing water usage automatically. And it won't regenerate too early or too late, saving on both salt and water. Plus with a low maintenance, high reliability softener head you'll find you have minimal service worries.

- No more pipe scaling requiring expensive cleaning or replacement
- No more water heater scaling causing heater element failure
- Eliminate spotting stains on glassware and crockery
- Brighter, softer fabrics after washing
- Soaps and shampoos lather easier
- Reduced soap, detergent and maintenance costs
- No more staining from iron or manganese

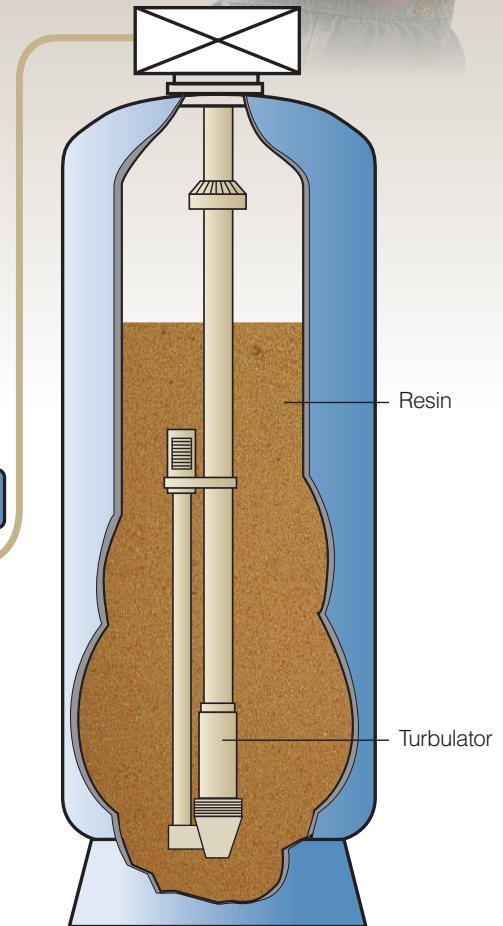
* A FILTEC softener will control iron and manganese in many applications - a water analysis will be required to ensure satisfactory operation. Resin cleaning may be required.



Pipe with scale build-up



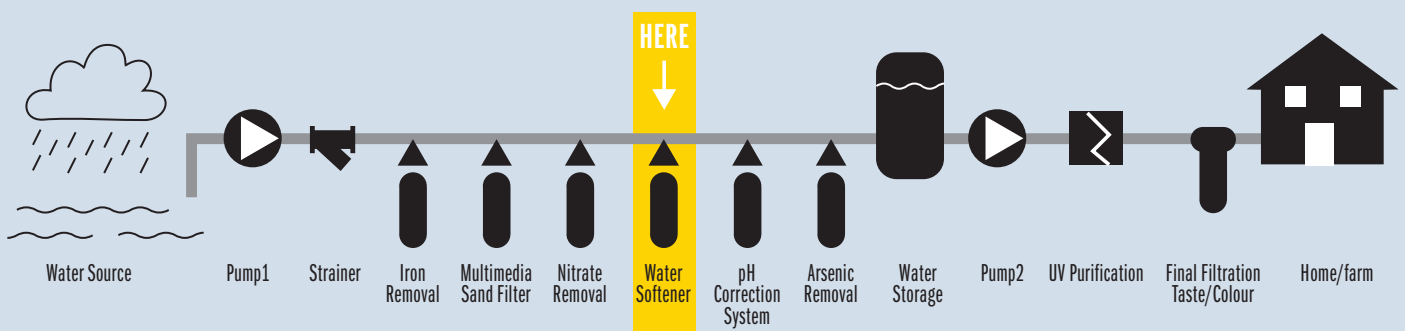
Brine Tank



Pressure Vessel



Where you are in the water supply sequence...



Control Valve Options



Magnum 255/764



Performa 278/764

General Specifications

Fully automatic softeners with Autotrol 255 and 278 valves with demand regeneration, turbine meter and microprocessor control to minimise running costs. System includes turbulator backwash, bypass & blending valve, fibreglass resin tank plus plastic brine tank.

Pressure Vessels

Wound resin bonded fibreglass filament for strength and polyethylene inner shell for chemical inertness.

Working Pressure 200 - 1040 kPa
Operating Temperature 5 - 40°C maximum

Valve Controllers

Auto-regeneration by water usage with 764 controller

This will be with our 255 valve as standard, or 278 valve (SF300L only)

Instructions

Installation and Operating Instructions are included with all softeners.

Media

High quality resin is used in all FILTEC Water Softeners.

Cautions:

- A Pressure Reduction Valve should be installed in areas of high water pressure over 800 kPa
- If abrasive grit or large particles are present in the water supply, an inlet strainer is recommended to prevent damage to the backwash valve

Extra Features

Softeners are fitted with a manual bypass valve for ease of servicing and blending if required. Also a resin turbulator is fitted as standard to allow economic regeneration and to extend resin life.

(Excludes SF150L which has a 20mm inlet/outlet manifold)*



Bypass Valve

Pipe Work

Standing pipe work, where fitted, connecting filter vessel to valving is rigid PVC.

Installation

Any regulatory requirements pertaining to plumbing and drainage connections are the responsibility of the client.

Plant should be installed under cover protected from direct sunlight, rain and frost.

Client to Provide:

- Single phase 230 volt power (3W / 150 mA usage)
- Drain for backwash
- All connecting pipe work and valving from control unit
- Minimum 200 kPa operating pressure
- Water flow or pump operation at 2.00 am to allow for Automatic regeneration
- Protection from rain/moisture and direct sun

System Specifications

Model	Flow Rate (L/hr)		Inlet/Outlet (mm) BSP	Drain (mm)	Approx. Softening Capacity gm CaCO ₃	Resin Volume (Litres)	Max. Working Pressure (kPa)	Softener Size dia x h (mm)	Brine Tank base dia. x height (mm)	Salt Capacity (kg)	Salt/ Regen (kg)
	Max	B/Wash									
SF150L	400	800	20	15	230	4	875	150 x 660	320 x 420	15	1.0
SF180L	1200	700	25	15	600	10	875	180 x 1100	410 ^{sq} x 550	50	2.0
SF200L	2000	800	25	15	1150	20	875	200 x 1100	410 ^{sq} x 550	50	3.6
SF250L	2500	800	25	15	2300	40	875	250 x 1600	410 ^{sq} x 820	90	7.0
SF300L	3000	960	25	15	3500	56	875	300 x 1530	410 ^{sq} x 820	90	13.5

A minimum 200 kPa operating pressure is required.

Larger units are available.

Local Agent: