

Silverline

**Victor Softener Systems
Fitting Instructions
Timed Models**

VICTOR SOFTENER SYSTEMS

FITTING INSTRUCTIONS

Installation of a water softener is a straightforward plumbing exercise. To make installation as simple as possible the Victor model you have purchased is supplied with a full fitting kit.

Working pressure parameters must be minimum 1.8 bar maximum 7 bar. Optimum working pressure 3 bar.

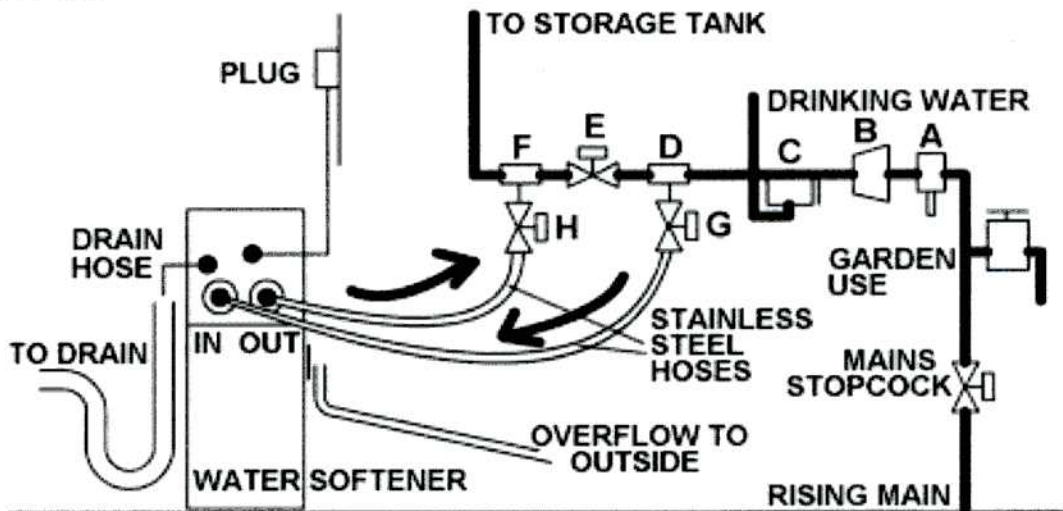


DIAGRAM OF A TYPICAL WATER SOFTENER INSTALLATION (REAR VIEW OF SOFTENER)

- A – Non return valve
- B – Pressure balancing valve
- C – Filter fitting 'T'
- D – 'T' for softener inlet
- E – Blending/bypass valve
- F – 'T' for softener outlet
- G – Isolation valve inlet
- H – Isolation valve outlet

BEFORE YOU BEGIN

1. Select location for the softener ensuring there is:
 - a) Mains water supply
 - b) Route to a drain
 - c) Electrical Supply
 - d) Reasonable access for periodic filling of salt.
2. **TURN OFF WATER** at main stopcock
3. Turn on cold bath tap to drain some water from the main storage tank until ball valve opens.

STEP 1 – PIPE FITTINGS

1. Cut mains pipe where connection is to be made.
2. If water is required for outside taps a hard water feed should be taken before the softener connections.
3. Fit:
Non return valve (A) noting direction of arrow
Pressure Balancing valve (B).
Filter fitting tee (C)
Bypass:
Tee to softener inlet (D)
Blending/bypass valve (E)
Tee for softener outlet (F)
Isolation valves (G & H) to bottom of each tee (D & F)
Ensure isolation valves (G & H) are turned off.
4. Rejoin (F) to existing mains pipe
5. Turn on water and check for leaks
6. Fit drinking water filter (see separate sheet)

STEP 2 - CONNECTION TO WATER SUPPLY

1. Connect the stainless steel hose to bottom of inlet tee (D)
2. Connect other end of hose to inlet on softener valve
3. Connect second stainless steel hose to bottom of outlet tee (F)
4. Connect other end of hose to outlet on softener valve

NB Remember to fit the black washers provided in each end of the hose.

STEP 3 – DRAINAGE & OVERFLOW

1. Connect drain hose using the 22mm white crimp to fix pipe onto drain outlet
2. Run hose to nearest drain without kinking
3. Connect a further piece of the drain hose to cabinet overflow elbow using the 15mm white crimp for fixing.
4. Take the shortest route in a downhill direction to a drain, outside or other suitable location.

STEP 4 – PRIMING THE SOFTENER

1. Using a jug, fill the water softener with tap water, until the water rises through the holes in the platform at the bottom of the softener.
2. Close the centre bypass-blending valve (E) and slowly open the softener inlet valve (G) allowing the cylinder to fill and pressurise.
3. Check for leaks.
4. Turn on the cold tap at kitchen sink and slowly open the softener outlet valve (H).

Initially the water will appear milky brown as displaced fines are flushed away. Allow water to run until clear then turn off tap.

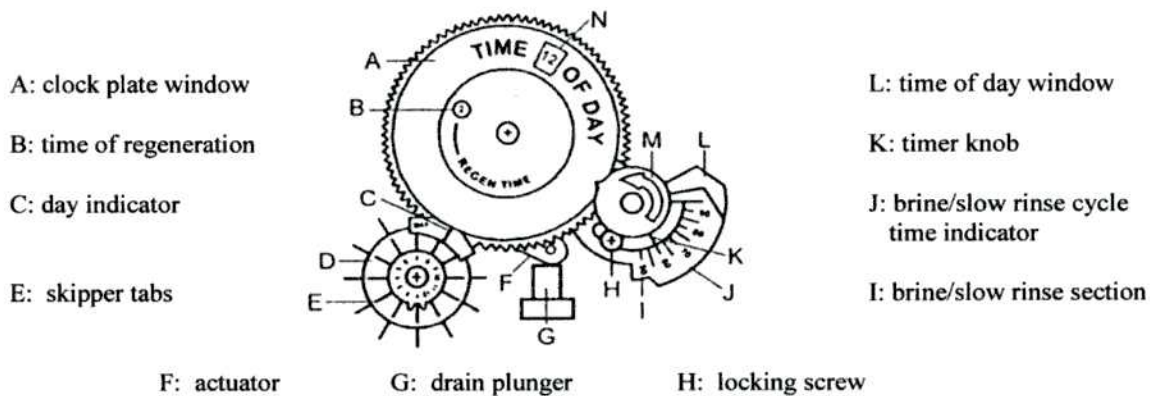
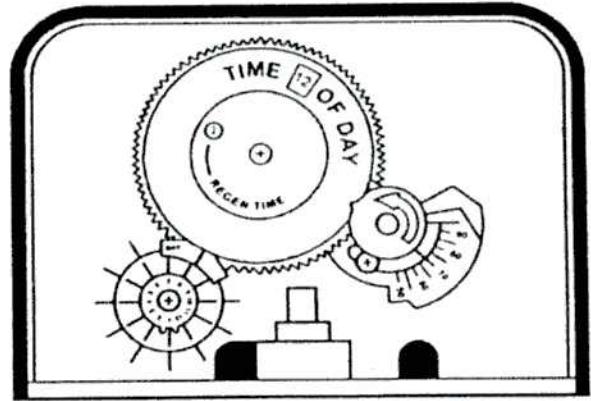
STEP – 5 ELECTRICAL CONNECTION

1. Connect the electrical supply complying with the current regulations.
2. Turn on power supply

The Electro-mechanical Timer

Programming

The number of days between regenerations is calculated by dividing the number of people days (SF04T = 4, SF09T = 9, SF14T = 14) by the average number of people in the household. Calculations allow average consumption of 160 litres per person per day at an average hardness of 20° clark.



- **Time of regeneration:**

Turn the clock plate (A) until the desired time of regeneration appears in the time of regeneration window (B)

- **Time of day:**

Turn the timer knob (K) counter clockwise until the correct time of day on the clock gear appears in the time of day window (L).

- **Day(s) of regeneration:**

With all skipper tabs (E) pulled out, rotate the skipper wheel (D) until day '1' is aligned with the day indicator (C); push in skipper tabs (E) which correspond with the desired days of regeneration.

Fast Program Check

When you want to check if the system is operating correctly, proceed as follows:

1. Plug unit into power supply.
2. Open water supply valve.
3. Loosen the timer cover screw and pull away the front cover.
4. Slowly turn time knob (K) counter clockwise until the brine/slow rinse section (I) on the regeneration cam pushes down the actuator (F) to open the drain plunger (G); depending on the pushed-in skipper tabs, this might take several revolutions; the valve is now transferred to the brine/slow rinse position.
5. Check brine draw by listening or feeling for suction.
6. Slowly turn timer knob (K) counter clockwise until the actuator (F) is released again and the drain plunger (G) is closed; the valve is now transferred back to the service position.
7. Reset the time of day.
8. Install the front cover.