VICTOR SOFTENER SYSTEMS

FITTING INSTRUCTIONS FOR TIMED MODELS

FITTING INSTRUCTIONS FOR TIMED MODELS

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 is 3 bar.

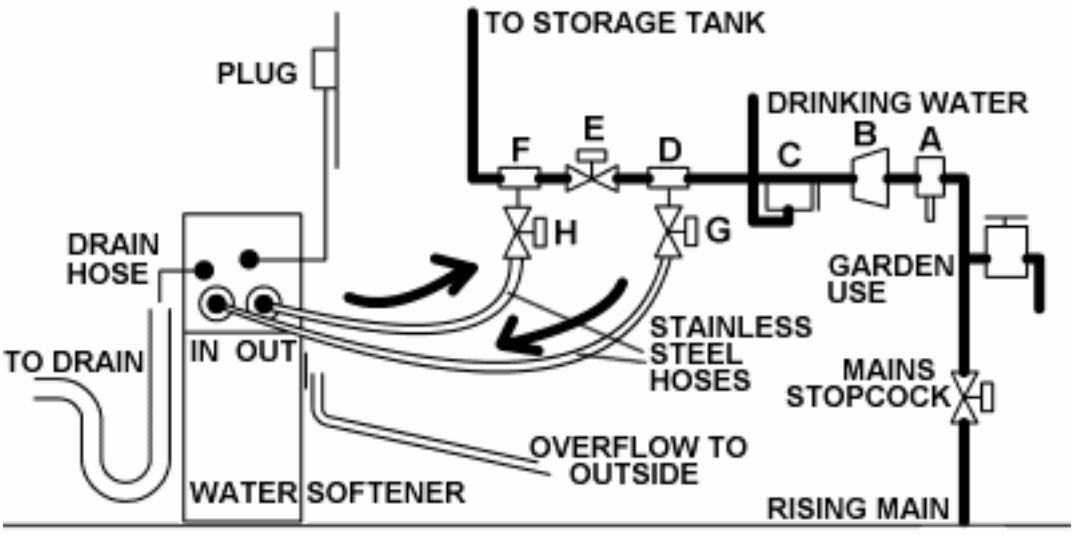


DIAGRAM OF A TYPICAL WATER SOFTENER INSTALLATION (REAR VIEW OF SOFTENER)

A – Non return valve

B – Pressure balancing valve

C – Filter fitting Tee

D – Tee for softener inlet

E – Blending/bypass valve

F – Tee 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

STEP 6 – PREPARATION FOR USE

1. Manually initiate backwash cycle.

Timed Softeners

Refer to diagram on instructions for programming the timer.

Push in all skipper taps on top wheel (E)

Turn timer knob (K) anti-clockwise, in direction of arrow, until it turns no further.

The softener is now in backwash cycle, a sucking noise may be heard and the machine will continue to self clean for approximately 1 hour.

Please note: Approximately 10 litres of water will remain in bottom of cabinet at all times.

2. Add salt until the cabinet is 2/3 – ¾ full

For best results **Hydrosoft Tablet Salt** should be used.
Please contact **Hydrosoft** on **08456 030444** to obtain a list of your nearest suppliers.

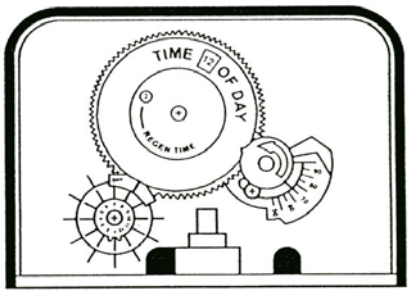
PROGRAMMING THE VALVE

Please refer to the specific guide supplied with this softener.

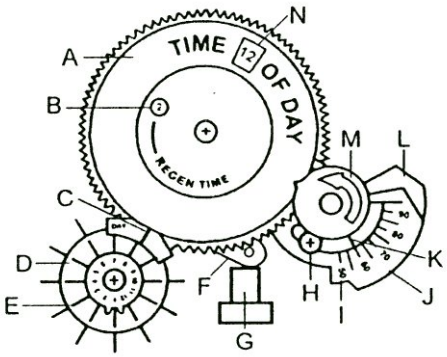
CONGRATULATIONS!!! YOUR SOFTENER IS NOW FULLY OPERATIONAL AND WILL GIVE YEARS OF TROUBLE FREE SERVICE.

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.



A: clock plate window
B: time of regeneration
C: day indicator
D: skipper wheel
E: skipper tabs
F: actuator
G: drain plunger
H: locking screw
I: brine/slow rinse section
J: brine/slow rinse cycle time indicator
K: timer knob
L: time of day window

- **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 know (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.

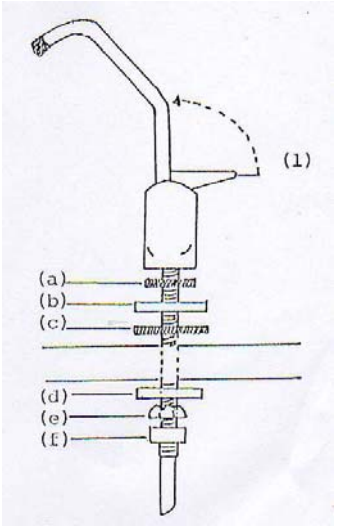
OPTIONAL EXTRA - UC06 FILTER

FITTING INSTRUCTIONS

WATER FOUNTAIN

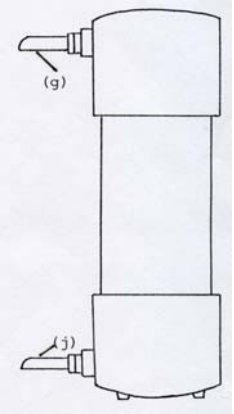
1. Select location for water fountain on work top or sink and drill 1/2" hole
2. Place the small rubber washer (a), the chrome disc (b) and large rubber washer (c) on the tap stem.
3. Pass the blue tube and tap stem through the hole drilled in step 1.
4. Slide the steel washer (d) lock washer (e) and lock nut (f) up the blue tube to the tap stem. Tighten the lock nut

NB: There may be a nut and olive remaining in the pack. These are not required. Please discard



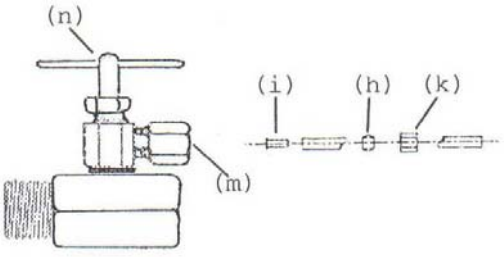
FILTER UNIT

1. Place the blue tube, attached to the tap, into the blue outlet fitting (g) on the filter unit and push firmly home.
2. Take the other blue tube and push one end firmly into the inlet fitting at the base of filter (j)



WATER CONNECTION

1. Slide compression nut (k) and ferrule (h) onto flue tube and push insert (i) into end of tube.
2. Push blue tube, with insert, into filter fitting tee (m) and firmly screw up compression nut (k)
3. Push the tap handle (l) upwards into the continuous flow position, then slowly turn the T bar (n) anticlockwise, allowing water to enter the filter slowly and displace trapped air and loose particles.
4. When the water runs clear, adjust T bar (n) until the water flows at a maximum of 6 pints per minute



GENERAL NOTES

NB: Allow all units to flush for 15 minutes when first installed or following a prolonged period of non-use.
Always flush unit for 10-15 seconds before use.
To disconnect tubing from filter push collar of connector against connector body and pull tube.
In high sediment areas a pre-filter should be used to enhance the performance and life of your filter.

WARNING: MAXIMUM WORKING PRESSURE 100psi