



How CalSoft non-electrical works...

This works by using an ion exchange process whereby calcium and magnesium ions are removed from the hard water by a cation ion exchange resin. The regeneration of the ion exchange resin is achieved by flushing with a brine solution.

The softener mechanism consists of two ion exchange resin tanks. As hard water flows upwards through both tanks the water is softened. A continuous supply of softened water is always available because when one tank is regenerating, the



other is providing softened water. all the

operating functions are performed using the pressure and flow of the water supply. No power source (i.e. electricity) is required. An accurate service meter measures the volume of softened water passing through the unit.

After a pre-set volume of softened water has passed through the meter, a regeneration of one of the resin tanks begins. The other resin tank continues to soften water while the first tank is regenerating. After a preset volume of regenerated water has passed through the meter, the water is again softened by both resin tanks in parallel.



UNIQUE VALVE SYSTEM

SOFTENING VESSEL ONE

SOFTENING VESSEL TWO

ULTRA FINE
MONOSPHERIC RESIN
BEADS

SALT PIC

