

Hardness.

Water hardness is derived from calcium and magnesium minerals that have been dissolved into water beneath the earth's surface. These minerals are found in limestone deposits and are the primary source of hard water. When the minerals dissolve, they become electrically charged particles called ions. The amount of hardness in any given water is dependant upon the amount of calcium and magnesium minerals present and the length of time the water stays in contact with them. The degree of hardness varies greatly from region to region and should therefore be checked and quantified by proper water testing. The degree of hardness is measured in Grains per Gallon (gpg). In order to protect plumbing, fixtures, clothing, etc., the hardness level should generally be adjusted to less than 3.0 gpg.

Solution

WATER SOFTENERS Hard water can be a costly problem in the modern home, causing heating systems to be inefficient and shortening the life span of water using appliances such as, dishwashers, washing machines, electric showers etc. The modern solution to hard water is a water softener.

What is a water softener? Basically an automatic water softener consists of two separate tanks, one forms a completely closed vessel containing the softening medium (resin), the second containing the cleaning solution, brine (super saturated salt solution). This is easily plumbed into the water main and provided with a low demand electrical supply. The unit removes calcium and magnesium and therefore the "hardness" in the water substitutes into the water, a sodium, which is non-scale forming. Every now and then the unit recharges or regenerates it-self using salt. Such softened water is spectacular in that it is softer than naturally soft water and represents an entirely different quality to previous hard water.

Benefits

- No scale formation on water heating units, boilers and electrical elements.
- No clogging of showerheads.
- No "deposits or water marks" on sinks, baths or toilets.
- Skin and hair will feel softer and clothing will feel softer, fresher and lighter.
- Detergent costs will be lower due to easier formation of lather.
- No scum forming on hot drinks such as tea/coffee and they will be more flavoursome.



Water Softener
35" High
Suitable for Garage
or Pump House



Water Softener
26" high x 12" wide x 17" deep
Suitable for under
worktop installation