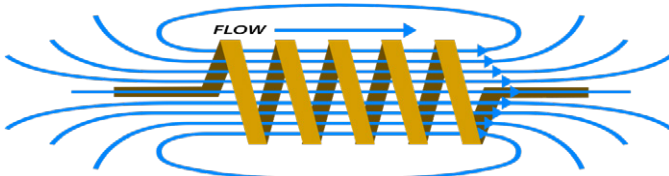


# WATER CONDITIONER

## WATER = SCALING POTENTIAL

- **Water carries dissolved minerals**
  - Calcium
  - Magnesium
  - Silica
  - Iron
- **Minerals form scale deposits**
  - Inhibit heat transfer
  - May increase corrosion



## How it works

- Our Products provide a specifically designed Magnetic and Electric Field with a high-speed pulse wave on a variety of pipe sizes and materials in Residential, Commercial and Industrial applications.
- This magnetic field creates Nano bubbles (surface diameter less than a micron) that coats the inside of the pipe and doesn't allow scale to form.
- Hard Scale that forms and is very difficult to remove is Calcite (similar to cement or grout in Harness)
- Our Unique approach converts Calcite to Aragonite. Aragonite is a powdery material that can be easily wiped off surfaces.
- Our Magnetic field changes the surface tension of the water and some of the water molecules break into HO (-) and H (+) ions. This ionic change allows Calcium to bind with OH (-) ions creating Calcium Hydroxide  $\text{Ca(OH)}_2$  which is water soluble.

# How it works

- Calcium Hydroxide is then able to easily be broken down inside the pipe and passed through the system.
- The magnetic field also creates a mechanical component by pulsing the signal 25 times a second. The signal breaks down existing scale over time and allows it to pass through the pipes
- As hard water particles are removed from existing pipes the water pressure will increase and help to remove existing scale and stop new scale build up on pipes, heating elements, and any other surfaces, coming into contact with this water.

## Water Conditioner vs Traditional softener

One time, affordable initial cost	High priced initial cost
Zero maintenance	Continued maintenance required over lifespan
Zero additional products required	Requires heavy bags of salt
Zero negative environmental impact	40lb bag of salt @\$6.00/Mo = \$72.00/Year
Zero floor space wasted; wall mounted unit	Wastes Water Raising both water and sewage cost
Zero invasion into the water supply	Discharges salt into public water or well water
Zero risk to health	Dangerous for people on salt restrict diets
Soft water continuously available	Soft water not available during 'regeneration
Soaps rinse clean, no residue	Cycles Daily
Zero water waste	Soap and detergent do not thoroughly dissolve

## Electronic Water Conditioner

Pipe calcification reduces the heat transfer in the surface, affecting the heat transfer coefficient.

