



## HARD WATER PROBLEMS IN BAKING INDUSTRY

### INSTALL SCALEBRECK ELECTRONIC WATER CONDITIONER

- **ScaleBreck** offers a completely non-chemical way to accept the positive effects of hard water on baked goods and avoid the negative effects of softening, allowing you to bake as you intend to.
- **ScaleBreck** protects steam ovens, proofers, bagel making equipment, any water-fed equipment including hot water heaters, boilers, and HVAC steam-based baking equipment against scale, corrosion, and hard water.
- Protection from scale build-up extends the lifecycle of this equipment and protects your capital investment. Equipment works more efficiently and lasts longer with **ScaleBreck**.
- Hard water is especially damaging on booster heaters, dish machines, steamers, proofers, combination ovens, rack ovens, and deck ovens. **ScaleBreck** increases both the life and efficiency of your equipment.
- **Maintenance Free** - The **ScaleBreck** water conditioning system requires no maintenance, thus eliminating maintenance costs.
- **Environmentally Friendly** - There are no harmful chemicals or salts which dispose chlorides into the environment.
- **Space Efficiency** - The unit takes up little space. Simply mount the **ScaleBreck** water conditioner on your incoming pipes and you are good to go.

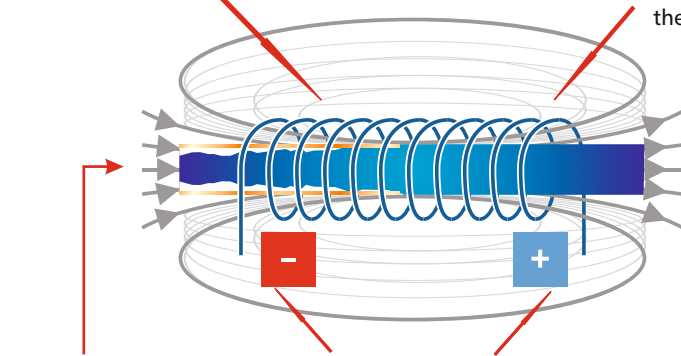


# SCALEBRECK

## ELECTRONIC WATER CONDITIONER

Single cable wrapped around pipe produces a square wave alternating at 1000 to 20000 cycle/sec

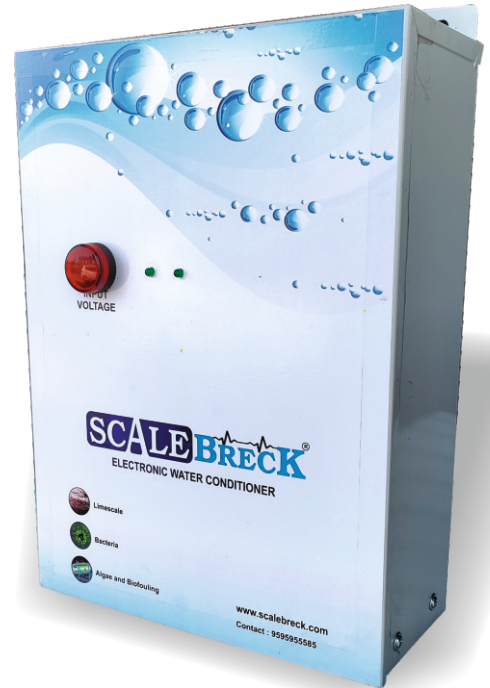
Complex modulated signal field at variable frequency - induces electrical field in the pipe which alter the hard water ions and increases their solubility



Incoming water containing calcium and other mineral ions in solution

Modulated signal from converter at only  $\pm 12$  Volts DC

Conditioned water can absorb more calcium and dissolve existing scale



## PRODUCT SPECIFICATIONS

### Components

Each model comprises of a Scale Breck unit, signal cable, ties, plugs and clear instructions.

### Materials

Electronics hermetically sealed. Enclosures for indoor use are made of high grade thermoplastic or fabricated as per design. Enclosures for outdoor use are made weatherproof.

### Controls & Indicators

All units have indicators showing correct operation, providing power applied and signal coil connected.

### Reliability

Only high quality electronic components are utilized, including a custom designed chip (IC) controlling signal generation processing. Components have a life span of over 20 years.

### Safety

The Scale Breck conforms to electrical safety standards. The electronics are sealed with resin. The output is safe to both personnel and sensitive equipment. There is no electrical contact between pipe and coil. The low output voltage is non-hazardous.

### Power

Units can be connected to either 110 VAC or 230 VAC 50/60 Hz. Optional: Solar power or 24 Volt direct current.



**NO**  
CHEMICALS



**NO**  
MAINTENANCE



**ONE TIME**  
INVESTMENT



**EXCELLENT**  
RETURNS

- NO OPEN COILS
- NO HANGING WIRES
- NO OBSTRUCTIONS TO THE FLOW
- NO PRESSURE LOSSES.

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