

## **How ScaleBlaster works**

ScaleBlaster's signal produces a wave current that sweep all the frequency responses from

1,000-20,000 Hz at a rate of 10 times a second.

Incoming water containing calcium carbonate, the mineral mainly responsible for lime scale deposits.

Unique and complex modulating frequency waveform hits the resonant frequency of the calcium carbonate molecules causing them to lose their adhesive properties.

ScaleBlaster induction coil wrapped externally around pipe on incoming water supply line.

Empty water molecules attract calcium molecules from scale buildup on pipes and other surfaces that have scale buildup. This causes any existing scale to go away and never return again.

ScaleBlaster's signal causes the ions to precipitate or collide with each other to the point where the calcium crystals grow

> This inaudible signal at sonic frequencies causes turbulence in the water molecules and ion exchange in mineral atoms.

> > Crystals are unable to adhere to any surface and do not precipitate out

as hard scale.

until they become so large that there are no more surface charges left to stick to the pipe walls or any other surface.



## SB-450 ELECTRONIC DESCALER SPECIFICATION SHEET

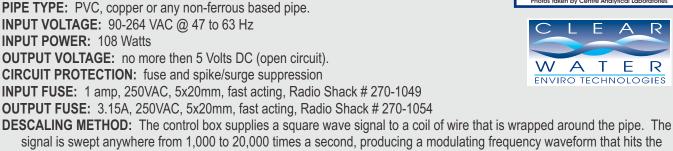
Signal cable delivering

computerized control box.

frequencies from the



R



resonant frequency of the calcium molecules causing them to lose it's adhesiveness.

PIPE SIZE CAPACITY: up to 4" pipe size diameter. Designed for commercial use only.

ENCLOSURE DIMENSIONS: 14" x 12" x 6"

ENCLOSURE MATERIAL: 16 guage steel, powder coated ANSI 61 gray. NEMA 12, 13, 4. UL 508 type 3R, 4, 12 & 13. CSA Type 3R, 4, 12 &13. IEC 60529, IP66. Weatherproof enclosure.

**SIGNAL CABLE:** 12 gauge stranded wire, 152 feet long. WARRANTY: 5 years parts and labor.

SHIPPING WEIGHT: 26 lbs.

INPUT POWER: 108 Watts

CARTON DIMENSIONS: 20" x 16.5" x 11"

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