

SPECIFICATION SHEET

How ScaleBlaster Works

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's signal produces a wave current that sweeps all the frequency responses from 1,000-20,000 Hz at a rate of 20 times a second.

ScaleBlaster's signal causes the ions to precipitate or collide with each other to the point where the calcium crystals grow until they become so large that there are no more surface charges left to stick to the pipe walls or any other surface.

> 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.

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.



SB-350 ELECTRONIC DESCALER

Signal cable delivering

frequencies from the computerized control box.

PIPE SIZE CAPACITY: up to 3" pipe size diameter. Designed for commercial use only. UL, CUL listed, file number E232081

PIPE TYPE: PVC, CPVC, PEX, Copper or up to 1¹/₂" ferrous based (magnetic) pipe. **INPUT VOLTAGE:** 90-264 VAC @ 47 to 63 Hz, using auto switching power supply

INPUT POWER: 84 Watts

OPERATING TEMPERATURE: 32° F to 130° F

STORAGE TEMPERATURE: 10° F to 150° F

OUTPUT VOLTAGE: no more then 9 Volts DC (open circuit).

OUTPUT FUSE: 6 Amp, 250 VAC, 5x20 mm, Slow-Blow fuse, Radio Shack part # 270-1068

STATUS INDICATOR FUSE: 10 Amp, 250 VAC, 5x20mm, Slow-Blow fuse

DESCALING METHOD: The control box supplies a square wave signal to a coil of wire that is wrapped externally around the incoming pipeline entering the home. The signal sweeps all the frequencies from 1,000 to 20,000 Hz at a rate of 20 times a second. This produces a modulating frequency waveform that hits the resonant frequency of the calcium molecules causing them to lose its adhesiveness.

ENCLOSURE DIMENSIONS: 13.5" x 10.25" x 5.75"

ENCLOSURE MATERIAL: 16 gauge 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: A special 12 AWG stranded wire, 110 feet long (not available in hardware stores), is included with the unit. **WARRANTY:** 5 years parts and labor.

SHIPPING WEIGHT: 20 lbs.

CARTON DIMENSIONS: 16.75" x 14.75" x 11"

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