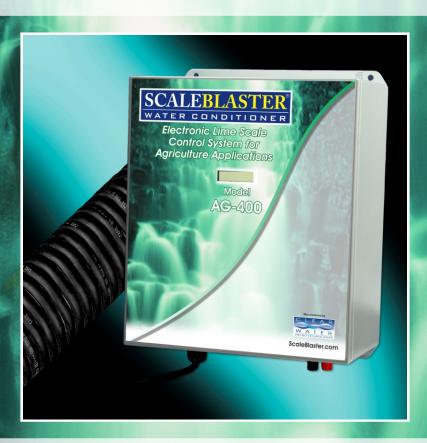


Chemical / Salt-Free Solution to Hard Water Problems

Electronic Lime Scale Control System for Agriculture Applications

Model AG-400



Agriculture Model up to 4" pipe Production & Processing Applications

**SPECIFICATION SHEET** 

## How ScaleBlaster Works 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 s<u>c</u>ale.

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.



## AG-400 ELECTRONIC DESCALER SPECIFICATION SHEET

Signal cable delivering

computerized control box.

frequencies from the

PIPE SIZE CAPACITY: up to 4" pipe size diameter.
PIPE TYPE: PVC. CPVC and PEX pipe only.

**INPUT VOLTAGE:** 90-264 VAC @ 47 to 63 Hz, using auto switching power supply

**INPUT POWER:** 108 Watts

**CIRCUIT PROTECTION:** fuse and spike/surge suppression

**OPERATING TEMPERATURE:** 32° F to 130° F **STORAGE TEMPERATURE:** 10° F to 150° F

**OUTPUT VOLTAGE:** no more then 5 Volts DC (open circuit).

**INPUT FUSE:** 1 amp, 250VAC, 5x20mm, fast acting, Radio Shack # 270-1049 **OUTPUT FUSE:** 3.15A, 250VAC, 5x20mm, fast acting, Radio Shack # 270-1054

**DESCALING METHOD:** The control box supplies a square wave signal to a coil of wire that is wrapped around the pipe. 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:** 12.25" x 15.5" x 6.75"

**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: A special 12 AWG stranded wire, 152 feet long (not available in hardware stores), is included with the unit.

**WARRANTY:** 5 years parts and labor.

SHIPPING WEIGHT: 26 lbs.

CARTON DIMENSIONS: 20" x 16.5" x 11"





