

Electronic Water Conditioners

EWC-2000

Self-calibrating | Never shuts down due to overheating | Cellular capability

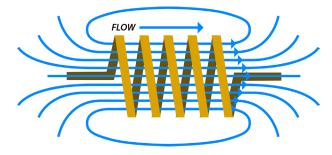


Salt Free Hard Water Treatment

Industrial Model - up to 8"-20" Pipe

H₂O_{Elite}Lab⁵

Technology and How it Works



Our EWC 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 Ca(OH)2 which is water soluble. Calcium Hydroxide is then able to easily be broken done 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.



EWC-2000 Electronic Descaler

PIPE SIZE CAPACITY: Up to 20" diameter non-magnetic pipe. Up to 14" diameter

magnetic (recirculating) pipe. Up to 12" diameter one shot magnetic pipe. Designed for commercial & industrial use only. UL / CUL listed.

PIPE TYPE: PVC, CPVC, PEX, Copper and certain Ferrous pipes (see above).

WARRANTY: 3 year warranty

INPUT VOLTAGE: 90-264 VAC @ 47 to 63 Hz

INPUT CURRENT: 2A RUSH @ 115 VAC, 1A RUSH @ 230 VAC

OUTPUT VOLTAGE: 20 VDC

OUTPUT CURRENT: 10 Amps Peak Min. @ 1KHz **OUTPUT SIGNAL:** Signal sweeps at 900Hz-21KHz

NUMBER OF OUTPUT CHANNELS: One

CIRCUT PROTECTION: Thermal overload protection on Switch-Mode Power Supply (SMPS), Over voltage protection SMPS, Over current protection on SMPS, Micro- controller monitoring of enclosure/heatsink over temperature shutdown, Micro-controller monitoring of internal over temperature shutdown, Output sensing circuit for over current immediate

shutdown protection, Main input noise filtering

OPERATING TEMPERATURE: 0° F to 150° F **STORAGE TEMPERATURE:** -10° F to 150° F **SIGNAL CABLE:** A special 8 AWG stranded wire

ENCLOSURE MATERIAL: Wall mount, gray powder-coated, 16-gauge steel. NEMA 4, and 12

rated. IP-65. With Gland Plate and polycarbonate window

ENCLOSURE SPECS: 16" x 12" x 6" (40.6cm x 30.5cm x 15.2cm) | 30lbs

SHIPPING SPECS: 18" x 14" x 8" | 34lbs H2oEliteLabs.com