

PAINT MANUFACTURING

HARD WATER PROBLEMS IN PAINT MANUFACTURING APPLICATIONS

INSTALL **SCALEBRECK** ELECTRONIC WATER CONDITIONER

- **Grinding and compounding** - ScaleBreck lime scale deposit remover will maintain associated dryers, condensers and boilers in paint manufacturing environments automatically.
- **Pigmentation blending** - ScaleBreck will allow for denser compounding, the rollers are kept cool, and there will be easier twin-cone interfacing.
- **Absorption qualities** - ScaleBreck allows for water surface tensions to relax and tinting is faster and more complete.
- **Adhesive/cohesive** - ScaleBreck will allow for bonding characteristics to be enhanced.
- **Polymers** - With ScaleBreck, flow patterns in transfer liners will be easier and there will be less blockage and back flushing will be much easier.
- **Overall Equipment** - ScaleBreck will allow for boilers, heat exchangers, rollers, transfer lines, pumps, valves, meters, scales, twin-cone blenders, filling equipment, dying vats, reactors, condensers, cooling towers and dye compounders to all be much more efficient without lime scale deposits.
- **Energy and Maintenance** - Paint manufacturing involves a multitude of tanks, pipes and pumps that connect a variety of mixers and reaction vessels. Clogged pipelines are common and the process must be stopped in order to clean the lines. With ScaleBreck, the lines will be kept clean and the process running smoothly. Heavy fluids will clog up pumps.

ScaleBreck keeps the solids from depositing on pump impellers and casings – reducing maintenance and down-time. Pumping energy costs will rise as the pumps become clogged. ScaleBreck will keep the lines clean and the energy cost down.

Lime scale deposits on boilers, heat exchangers and cooling towers effect the process of energy efficiency and are costly to the company in both maintenance and chemical treatment. ScaleBreck will control lime scale deposits and add to the profitability of the operation.

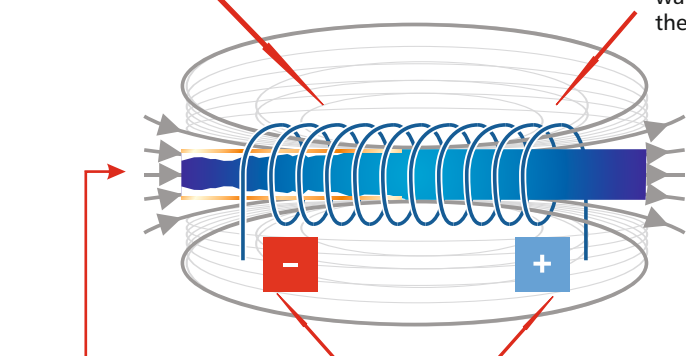


SCALEBRECK

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 ± 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.

For more information contact us on 9881248812, info@leanwayenergy.com | www.leanwayenergy.com



LEANWAY ENERGY PVT LTD

3rd Floor, Prabhat House, Damle Path,
Off Law College Road, Pune 411004.
Maharashtra, INDIA

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Agent/Distributor Address

