

# Presentation

# NORTH AMERICAN WATER TECHNOLOGY

## "NAWT"



### Exclusive Distributor

271 Skip Lane  
Bay Shore, NY 11706

888-821-9211  
[www.nawatertech.net](http://www.nawatertech.net)

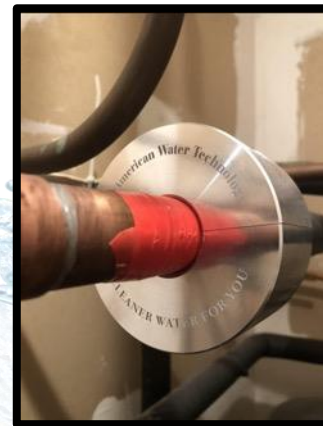
# MISSION STATEMENT

## **Mission:**

- Promote the Progress of Environmentally Friendly Water Treatment Processes through Innovative Technology
- Eliminate Harsh & Toxic Chemicals from the Building Environment

**Vision:** Become the Leading World Brand for the "Emerald Standard" via the NAWT Collar

**Values:** Sincerity, Diligence, Professionalism, Dedication, Diversity & Equity



**“Most people would find licking the inside of a pipe disgusting, but wouldn’t think twice about drinking water from that same pipe.”**

# NAWT COLLAR



## How it Works:

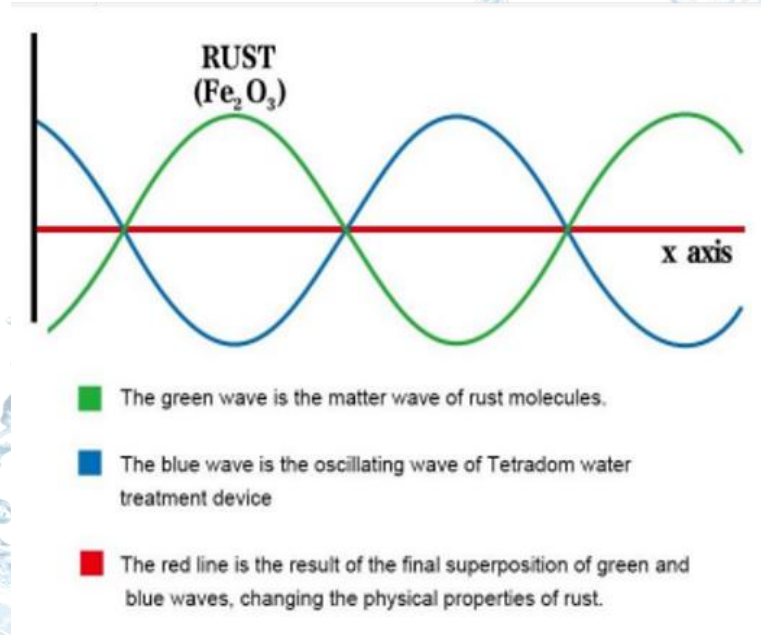
- **No Electricity**
- **No Chemicals**
- **No Magnets**
- **No Maintenance**

**The NAWT Collar is *100% Emerald Standard!!***

# NAWT COLLAR

## HOW IT WORKS

### Interference effects on rust

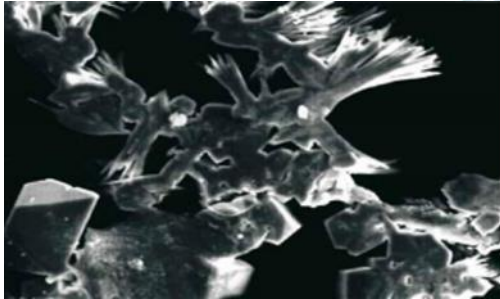


NAWT Collar water treatment products use quantum technology. This technology is the latest generation of environmentally friendly water treatment technology developed based on quantum mechanics. It uses specially modulated electromagnetic waves to interact with a dielectric material made of a special alloy composed of silicon and aluminum, and stably stores ultra-fine vibration waves on this dielectric material by utilizing laser injection technology.

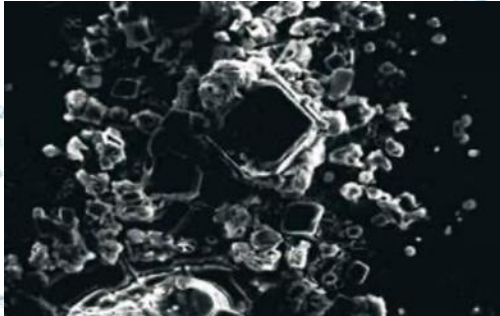
The dielectric material will continuously emit pre-recorded ultra-fine vibration waves, changing the material waves of various substances in the medium (such as water, oil), resulting in a coordinated resonance reaction, causing physical changes, no bonding, no sedimentation.

The microscopic appearance of calcium carbonate, and iron oxide will exist in the form of particles, which can flow away with the circulating water without accumulating on the pipe wall. Organic matter such as bacteria and algae will not survive without a biological mucus (biofilm).

# MECHANISM OF ACTION



**Lime deposits in untreated water**



**Lime deposits in water treated with NAWT Collar**

There are a large number of soluble salts in the circulating water system, mainly  $\text{Ca}(\text{HCO}_3)_2$ . As water temperature and other conditions change, unstable calcium bicarbonate decomposes into the inorganic compound calcium carbonate ( $\text{CaCO}_3$ ), which is extremely insoluble in water. These mixed crystals are arranged in a staggered pattern to form an extremely strong scale layer that requires the use of chemical acids or high-energy physical impact to peel it off.

Under the influence of NAWT water treatment products, single or small clusters of calcium carbonate molecular crystals in the aqueous solution are distorted through the cooperative resonance effect of ultra-fine vibration waves. The microstructure of calcium carbonate crystals changes from a needle-like structure that is easily cross-bonded to a spherical or small granular structure with a smoother appearance. The scale appears as loose small particles that no longer adhere to the inner wall of equipment or pipes. It settles in the form of soft floc at the bottom of the container in still water, and is eventually carried away by the water flow.

# APPLICATION SECTORS



Industrial



Commercial



Domestic



Transportation Industry



Electrical Power Industry

Oil & Gas Industry



Metallurgical Industry



Mining Industry



Chemical Industry



Agriculture



# SYSTEM APPLICATIONS

## Residential:

- Potable Water-Removes Biofilms
- Keeps Heating Lines Clean

## Commercial:

- Problems in Piped Systems
- HVAC Systems
- Geothermal Systems
- Sprinkler Systems
- Irrigation

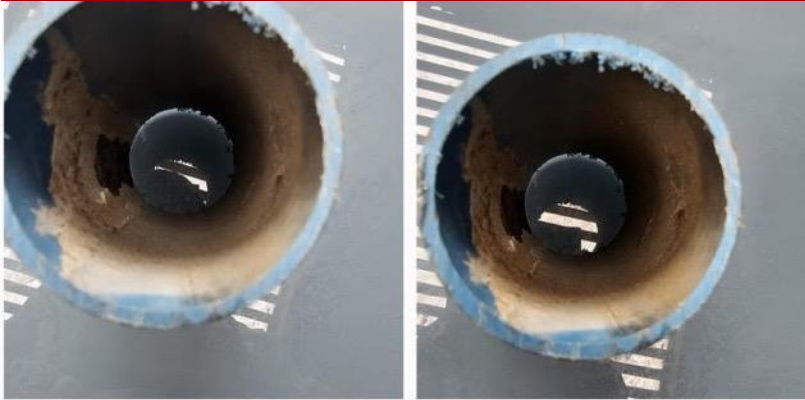
## Industrial:

- Boilers
- Heat Exchangers - Plate & Tube
- Valves
- Chillers
- Cooling Towers
- Reverse Osmosis
- Oilfield - Oil Extraction
- Wastewater
- Landfill Leachate System
- Marine Evaporators



# IRRIGATION APPLICATION

BEFORE



AFTER



# AMTRAK APPLICATION



# TARGET FIELD APPLICATION



# CON ED APPLICATION

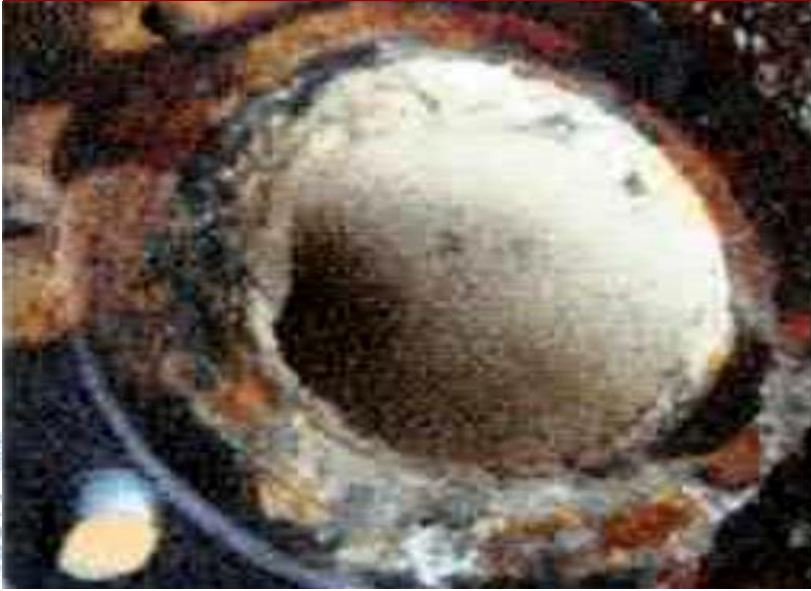


# ALAKSA TELECOM DATA CENTER



# BEFORE & AFTER

BEFORE



Pipeline before NAWT Collar

AFTER



After installing NAWT Collar

# BEFORE & AFTER

BEFORE



Salt crystal formation on central water pump filter in coal mine

AFTER



Three months after NAWT Collar, no salt crystals

# INSTALLATION & MAINTENANCE

1.



Choose a suitable location for the collar (main line / water flow). Please contact NAWT Inc. for a complete assessment if unsure of the Collar's placement.

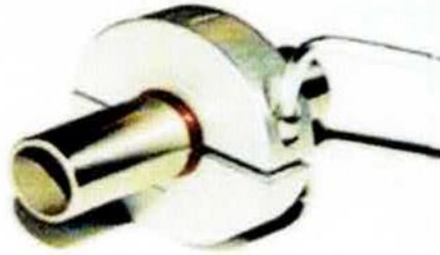
Before placing the collar, wrap the pipe with double-layer red insulating tape to prevent any reaction of the metals. Please ensure that electrical devices or power lines are at least 1 foot away, otherwise the effectiveness of the collar may be influenced.

2.



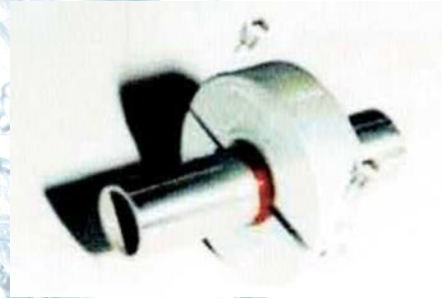
Loosen both of the screws with an Allen key. The collar separates into two halves.

3.



Set both of the ring halves onto the prepared section of the pipe. **Make sure arrow on the ring is in the direction of the flow.**

4.



Retighten both halves of the collar. Do not over tighten.

**\*\*NO MAINTENANCE REQUIRED\*\***



# BENEFITS

- Non-Magnetic
- Non-UV
- Non-Chemical
- No energy source required
- No Consumables or Materials Required
- No Carbon Emissions are generated during use
- Non-invasive deployments
- No maintenance required
- Reduce system operating costs
- Easy installation, Fast results
- Proven performance
- Advanced solid-state technology
- Extends Life Of Service Equipment
- Conserves Water
- Efficient Scale Inhibition
- Strong Scale Removal
- Corrosion Inhibition
- Inhibition of Bacteria & Algae

# CONDENSED SPECIFICATIONS

## For Water Treatment Device based on Quantum Technology

The water treatment device shall be fabricated from an aluminum-silicon alloy programmed to send out oscillations. The design is a split ring to fit around a standard pipe. The two halves are identical and secured by stainless steel cap screws. The unit is screwed to the outside of the pipe. The flow direction arrow stamped on the collar must correspond to the flow of material in the pipe.

The resonance vibrations emitted from the collar disrupt the oscillations that occur naturally in materials, which could interfere with the operation of any industrial equipment using pipes, including but not limited to, heat exchangers, piping systems, cooling towers, boilers, chillers, strainers, geothermal units, et al.

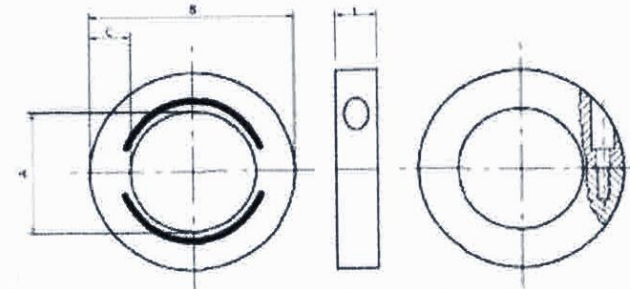
The device uses no electricity, no magnets, and no chemicals. Completely safe for human, animal and marine life. No moving parts. Packaging should have an eco-friendly classification that is compliant with ROHS specifications (Restriction of Hazardous Substances Classification in US).

**Suggested manufacturer: North American Water Technology, Inc. or equal.**  
**Detailed Specifications provided upon request**

# HOW TO ORDER

CONTACT: North American Water Technology  
 271 Skip Lane  
 Bay Shore, NY 11706  
 888-821-9211

INCLUDE: Dimensions of Pipe  
 Type of Problem Material



Type (Inch)	Pipe Outside Diameter (Inch)	Device In-	Device Out-	Thickness T (mm)	Water Treatment Capacity (t/h)	
		Diameter A (mm)	Diameter B (mm)		Non-Recycling Water	Recycling Water
1	3/4	31	154	30	0.5	4.9
2	1 1/2	59	180	30	1	20
3	2 1/2	85	200	40	1.5	50