



DEVICE



*An
Eco
Friendly
Water
Treatment
Device*



A NON CHEMICAL DEVICE FOR WATER TREATMENT



A NON CHEMICAL DEVICE FOR WATER TREATMENT

SCALE CAN COST YOU MONEY

Untreated water used in hot water system, cooling towers and other equipment contains dissolved salts, gasses and traces of many minerals and metals. Those elements are the direct cause of scale buildup in pipes and equipments. If left unchecked, scale buildup can increase fuel cost, repair and cleaning costs, downtime and may eventually result in dangerous explosion potential.

ORDINARY SCALE PREVENTION ISN'T THE ANSWER

Most scale prevention techniques are either chemical or electrical and all require the constant use of water treatment chemicals or expenditures for power and bulky equipment. Higher operating and maintenance costs, expensive labour and pollution are also a part of these ordinary water treatment processes.

DELTA DEVICE OFFERS YOU A BETTER ALTERNATIVE

DELTA device is completely self-contained. The unique DELTA device is powered by a highly effective core having an indigenous shape, and a combination of pressure change and turbulence. This core does not require any outside power source.

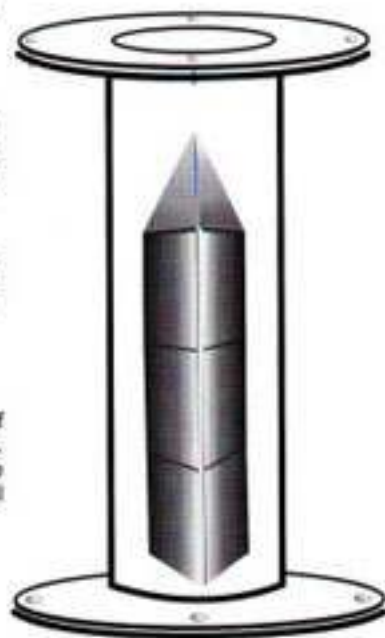
DELTA DEVICE TREATS THE WATER PHYSICALLY

Water passes through Delta device's special core causes more minerals to stay suspended in the water, so they cannot form a hard, brittle scale. In case of dissolved CaCO_3 , decreases in solubility (due to a change of water temperature or concentration) normally allows this compound to recombine in the water and attach itself to the inner walls of a piping system, heat exchanger etc. in the form of a strongly adhering scale.

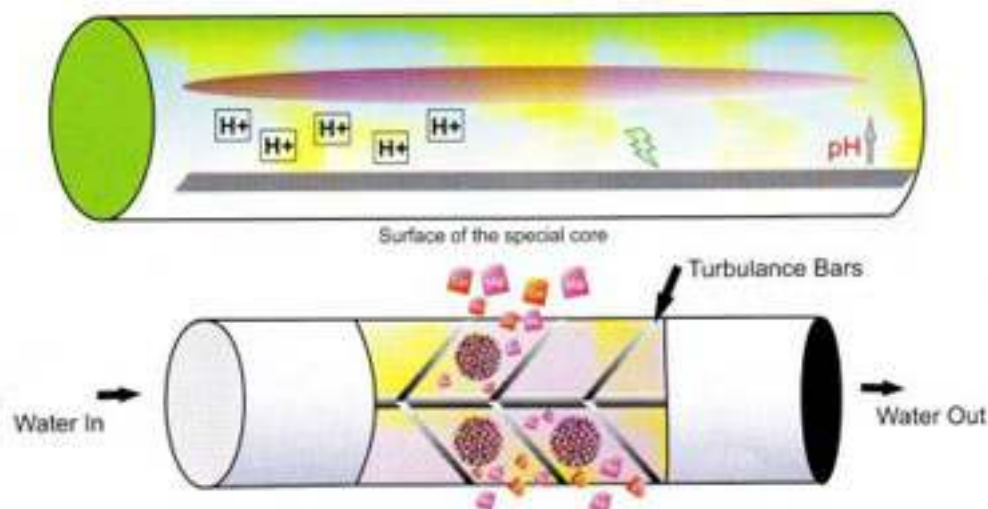
DELTA device's physical treatment passes such water, under pressure, and turbulence, perpendicular to the water flow direction. This causes a conversion of suspended particles into the colloidal suspension. Unlike crystalline CaCO_3 , these particles can easily remain suspended in the water stream rather than adhering to system wall as "scale".

DELTA DEVICE OPERATES AS A CATALYST

Delta device works on two major steps- **adsorption** and **turbulence**. Basically an adsorption of H^+ ions takes place by the special core, which in turn reduces the concentration in the next layer. This reduction leads to the increase in pH, causing the precipitation of scale forming salts. The turbulence bars on the core create the turbulence, breaking the precipitates into the colloidal particles. These particles formed on the surface act as a nucleus.



WORKING OF DELTA DEVICE





Scale formation without DELTA Device



Clear pipes after installing DELTA Device



The simple cost effective approach offers the preferred method for water treatment. Self contained units control scale formation and remove existing scale.

SPECIAL FEATURES

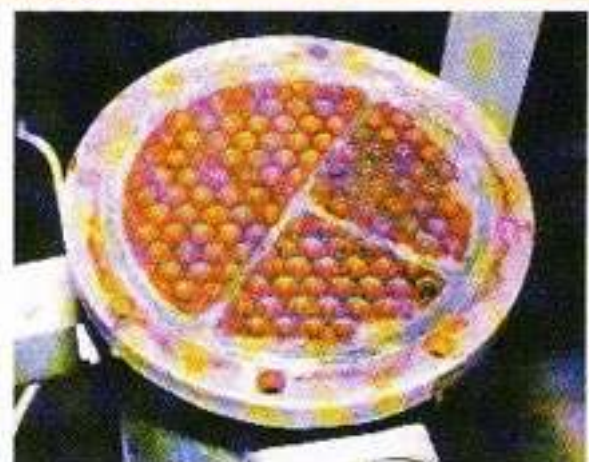
- Reduce water treatment cost dramatically
- Control new scale formation
- Remove existing scale
- No operating cost
- No energy consumption
- Easy installation
- No maintenance
- No moving parts
- No recharging
- No chemicals
- Non polluting
- Long life
- No corrosion risk

SOME APPLICATIONS

- A.C. Plants
- Chillers
- Dairy plants
- D.G. Sets
- Injection moulding machine
- Chemical reactor
- Dry cleaning machines
- Vessels
- Bottle washers/ Dish washers
- Furnaces
- Heat exchangers
- Evaporative condensers
- Pharmaceuticals

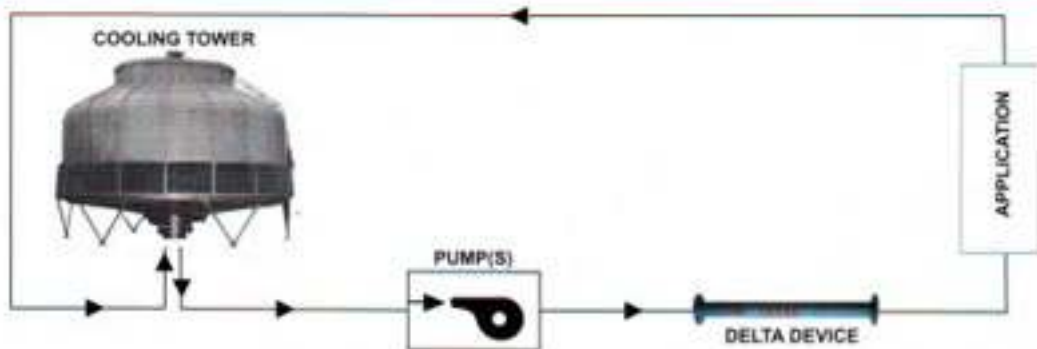


Before



After 90 days

INSTALLATION



STANDARD MODELS OF DELTA DEVICE

MODEL	DIAMETER (INTERNAL)	LENTH (MM)	MINIMUM FLOW RATE M ³ /Hr	MAXIMUM FLOW RATE M ³ /Hr
9001	3/8"	245	0.5	1.1
9002	1/2"	254	1.0	1.7
9003	3/4"	305	1.5	3.3
9004	1"	305	3.0	4.8
9005	1-1/4"	609	4.5	8.0
9006	1-1/2"	609	7.5	13.3
9007	2"	913	12.0	21.0
9008	2-1/2"	913	19.0	27.5
9009	3"	913	25.0	44.0
9010	4"	913	40.0	93.0
9011	5"	913	85.0	143.0
9012	6"	913	133.0	210.0
9013	8"	913	198.0	375.0
9014	10"	913	360.0	590.0
9015	12"	913	565.0	850.0
9016	14"	913	820.0	1170.0
9017	16"	913	1135.0	1530.0
9018	18"	913	1490.0	1940.0
9019	20"	913	1880.0	2400.0
9020	22"	913	2320.0	2910.0
9021	24"	913	2810.0	3475.0

Designed & Produced by: Dhruv Consultants 08110537771

DELTA COOLING TOWERS P. LTD.

1st FLOOR, BHAGWATI SADAN, PLOT NO.8, COMMUNITY CENTRE,
BH-BLOCK, SHALIMAR BAGH, DELHI-110 088.
PHONES : 91-11-27495801, 27495802, 27495803;
FAX : 91-11-27495804

E-MAIL : delta@nde.vsnl.net.in
WEBSITE : www.deltadevice.in



EXPECT MORE FROM US