

Online Non-Chemical Water Treatment System



Superflow Device
ISO 9001:2015 Certified

Superflow Device



*An
Eco
Friendly
Water
Treatment
Equipment*



No More Scale ...

PREVENTS HARD SCALE DEPOSITS

NO RECURRING COST

NO MAINTENANCE

PERFORMANCE PAR EXCELLENCE.....ITS

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A Online Non-Chemical Equipment Water Treatment Scale Preventer

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.

SUPERFLOW DEVICE OFFERS YOU A BETTER ALTERNATIVE

Superflow Device is completely self-contained. The unique Superflow 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.

Water Passes through Superflow Device 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.

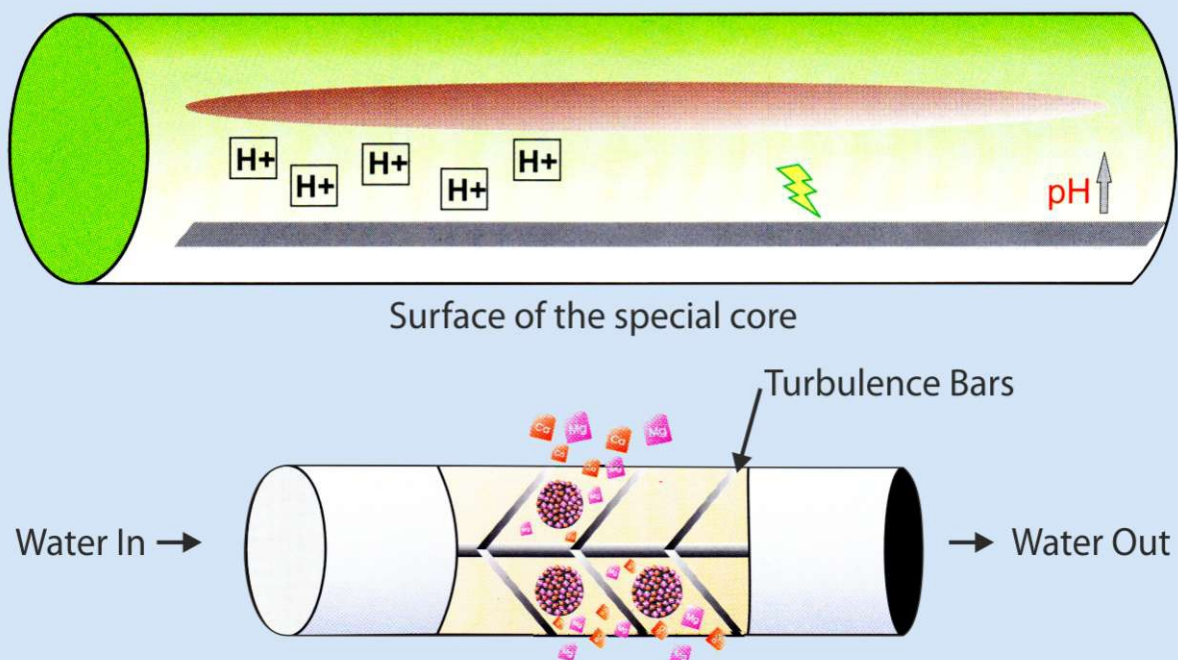
Superflow Device : physical treatment passes such water, under pressure, and turbulence, perpendicular to the water flow direction. This causes a conversion of suspended particles into the colloidal suspension. Unlike crystalline CaCO_3 , these particles can easily remain suspended in the water stream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



SUPERFLOW DEVICE OPERATES AS A CATALYST

Superflow 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 by 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 SUPERFLOW DEVICE



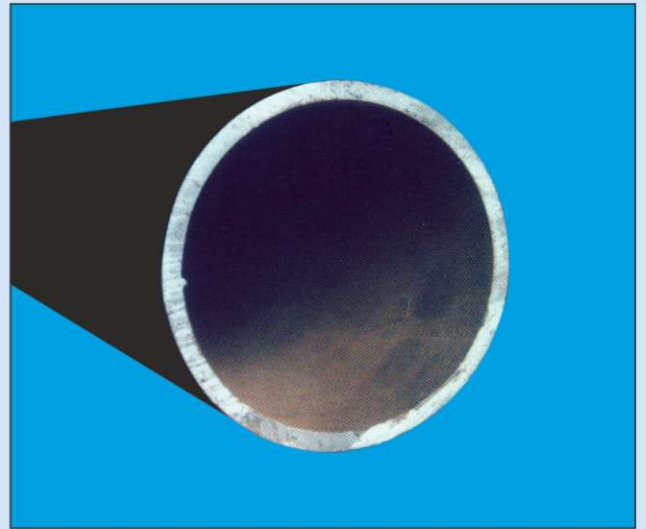


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FEATURES AND APPLICATIONS



Scale formation without Superflow Device



Clear pipes after installing Superflow Device

Quick Simplified Explanation



Our core technology works like a battery, generating a very small electrical current as water passes over it.

This electrical current has the effect of neutralizing particles of calcium and carbon by placing them in suspension.

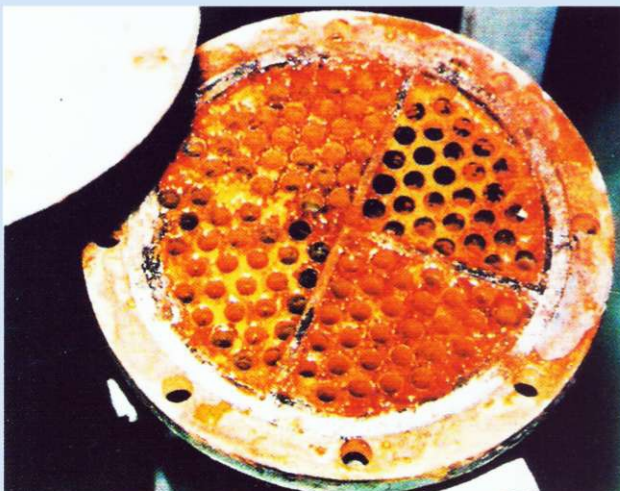
These suspended particles just stay in the water and instead of sticking to pipework and hot water cylinders, they just pass harmlessly through the system and down the drain.

SPECIAL FEATURES

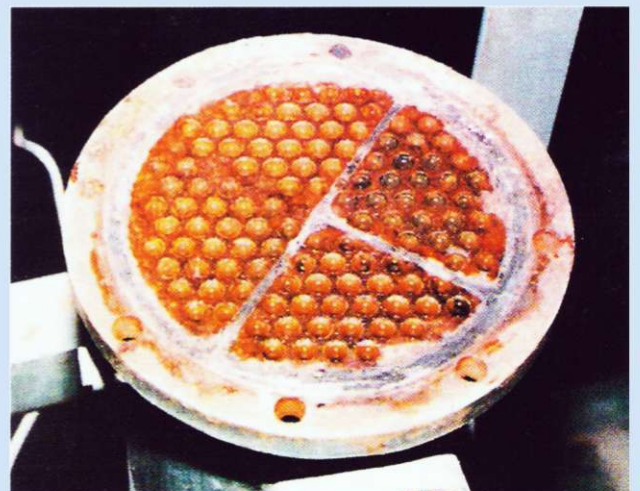
- ★ Reduce water treatment cost dramatically
- ★ Control new scale formation
- ★ Remove existing cost
- ★ No operating cost
- ★ No energy consumption
- ★ Easy installation
- ★ No maintenance
- ★ No moving parts
- ★ No recharging
- ★ No chemicals
- ★ Non polluting
- ★ Long life
- ★ No corrosion risk

SOME APPLICATIONS

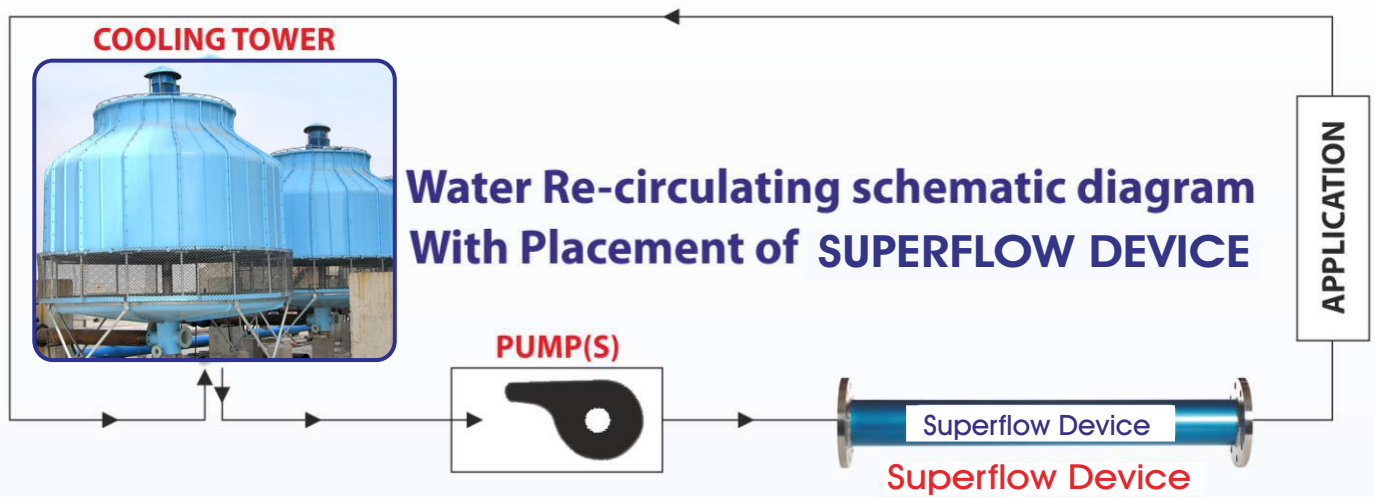
- ★ A.C. Plants
- ★ Chillers
- ★ Dairy plants
- ★ D.G. Sets
- ★ Injection moulding machine
- ★ Chemical reactor
- ★ Dry cleaning machines
- ★ Vessels
- ★ Bottle washers/Dish washers
- ★ Furnaces
- ★ Heat exchangers
- ★ Evaporative condensers
- ★ Pharmaceuticals



Before



After 90 Days



STANDARD MODELS OF SUPERFLOW DEVICE

MODEL	DIAMETER (INTERNAL)	LENTH (MM)	WATER FLOW RATE RANGE	
			MINIMUM FLOW RATE M ³ /HR	MAXIMUM FLOW RATE M ³ /HR
SFD-25	3/4" (3MM)	305	1.5	3.3
SFD-32	1" (25MM)	305	3.0	4.8
SFD-38	1-1/4" (32MM)	609	4.6	8.0
SFD-65	1-1/2" (38MM)	609	7.5	13.3
SFD-80	2" (50MM)	913	12.0	21.0
SFD-102	2-1/2" (65MM)	913	19	27.5
SFD-125	3" (80MM)	913	25.0	44.0
SFD-150	4" (102MM)	913	40.0	93.0
SFD-200	5" (125MM)	913	85.0	143.0
SFD-250	6" (150MM)	913	133.0	210.0
SFD-300	8" (200MM)	913	198.0	375.0
SFD-350	10" (250MM)	913	360.0	590.0
SFD-400	12" (300MM)	913	565.0	850.0
SFD-450	14" (350)	913	820.0	1170.0
SFD-500	16" (400MM)	913	1135.0	1530.0
SFD-550	18" (450MM)	913	1490.0	1940.0
SFD-600	20" (500MM)	913	1880.0	2400.0
SFD-800	22" (550MM)	913	2320.0	2910.0
SFD-900	28" (800MM)	913	3480.0	4050.0

HOW TO EVALUATE SUPERFLOW DEVICE

- The most reliable method of evaluation is to clean and photograph a section of the heat transfer surfaces of the equipment protected when the Superflow Device is fitted and to inspect them as regularly as possible.
- There are other methods of evaluation. such as, the measurement of pressure or temperature changes in the cooling water passing through the plant.
- Computer simulation from the company after collection of Raw and Recirculating water by the Engineer.



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Corporate & Contact Details :-

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