



# **MAGNETIC FLUID CONDITIONERS**

## **MADE IN USA**

**REMOVAL OF SCALES  
IN SOLAR HEATING SYSTEM AT  
INFOSYS LTD, MYSORE.**



**FREEDOM FROM HARD WATER FOREVER**



## **MAGNETIC FLUID CONDITIONERS - USA**

### **HOW DOES GMX WORK?**

When the GMX units are fitted on a pipeline, the water flowing through the pipeline is subjected to the intense, focused magnetic field. The strong magnetic field, affects the physical structure of the minerals, thereby altering their shape. There is no chemistry involved, only physics.

The minerals continue to remain in the water, but now, the altered physical state prevents the minerals from exhibiting hardness, thus the water becomes soft. One may wonder what difference does it make if the physical structure changes, when the chemical remains the same?

As an example, consider water. It is a liquid, chemically called  $H_2O$ . If we freeze water, it becomes ice, which is a solid, but it is still chemically,  $H_2O$ . If we boil it, it becomes a vapour, but chemically it is still  $H_2O$ . Water transforms from a liquid to ice, to a vapour (and vice versa), thus exhibiting 3 distinct physical states, while it is still the same chemical. GMX performs in a similar manner, by changing the physical state of the minerals, while maintaining their chemical state.

This is the reason why we cannot use a laboratory test to check the hardness of the water after treating with GMX. Please note that, a laboratory analysis is a chemical test that checks for the presence of certain chemicals in the water. It will not register any change in the physical structure of the minerals.



## **REPORT ON MAGNETIC FLUID CONDITIONERS**

SITE : M/S. INFOSYS LTD,  
MYSORE.

APPLICATION : SOLAR HEATERS – 45 Systems.

DATE OF GMX INSTALLATION : 11.06.10

### **PRE – INSTALLATION OBSERVATIONS – (AS ON 11.06.10) :-**

1. (a) Accumulation of hard scales in the coils, solar panels and solar tank.  
(b) Reduced heat transfer due to the scale accumulation, which increases the power consumption (even twice than normal)
2. Frequent replacement of coils (heating element) in the solar tank over a period of 3 to 4 months.
3. REDUCED FLOW RATE:  
Frequent de-scaling process in solar panel is required over a period of 6 months, to attain the optimum flow rate.  
(or)  
Back flushing in solar panels is required for every month to attain the optimum flow rate.

### **OBSERVATION AFTER INSTALLATION OF MAGNETIC FLUID CONDITIONERS**

1. Total removal of scales in the coils, solar panels and solar tank.
2. No further accumulation of scale.

### **RESULT (ON THE COMPLETION OF EXPERIMENT: 19.07.10)**

GMX Magnetic Fluid Conditioners has greatly reduced the maintenance period by avoiding the further accumulation of scales and removing the existing scale in your solar heating system, without involving any chemicals. When the chemicals used in the systems are drastically reduced, the life and the performance of your entire systems will be drastically increased.

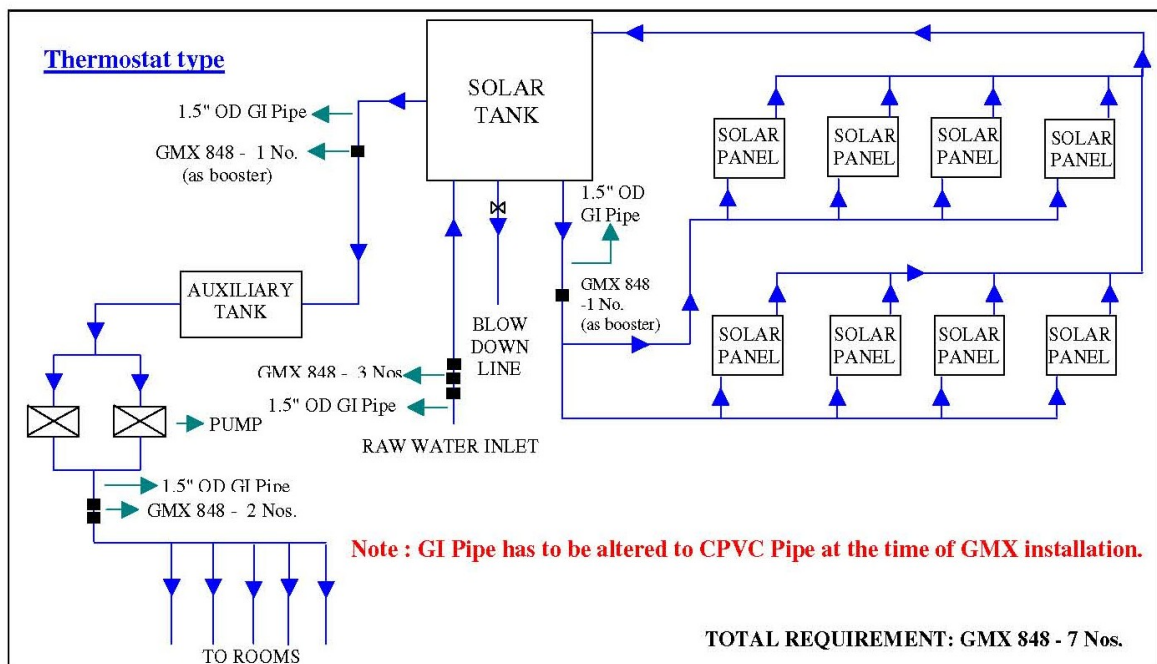
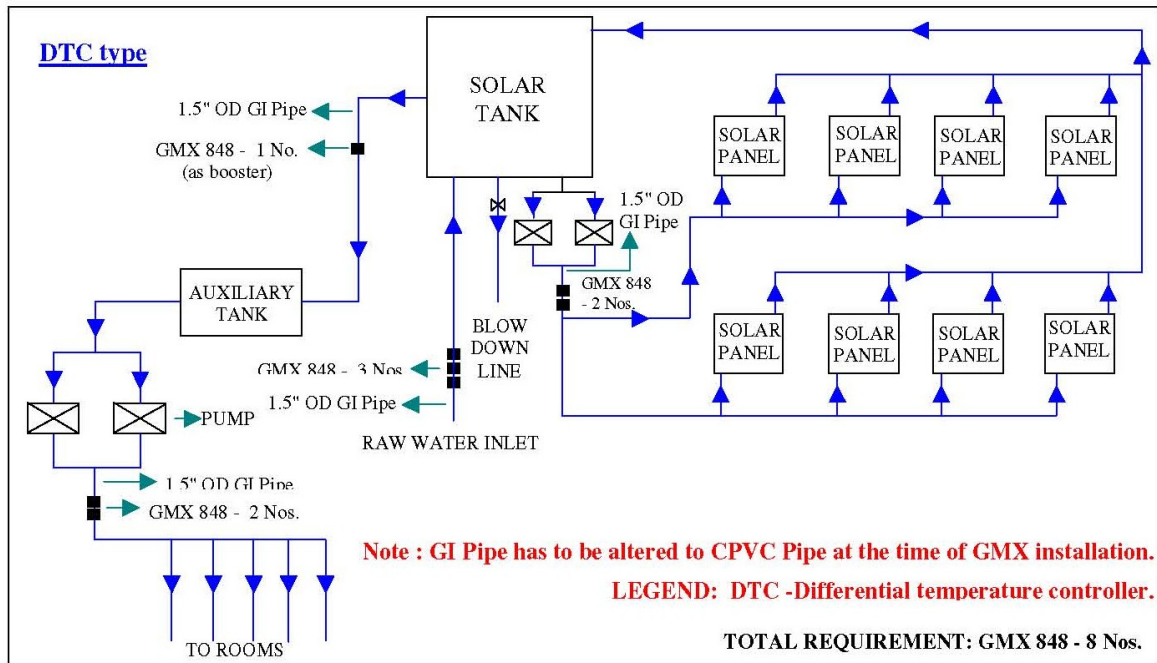
### **CONCLUSION**

*Implementation of GMX Magnetic fluid conditioners in all your solar heaters and water circuits will help you to save a lot of time and money, with 100 % environmental benefit since GMX fluid conditioner is non chemical.*



## INFOSYS – SOLAR HEATING SYSTEMS MYSORE

### PLUMBING LINE DIAGRAM







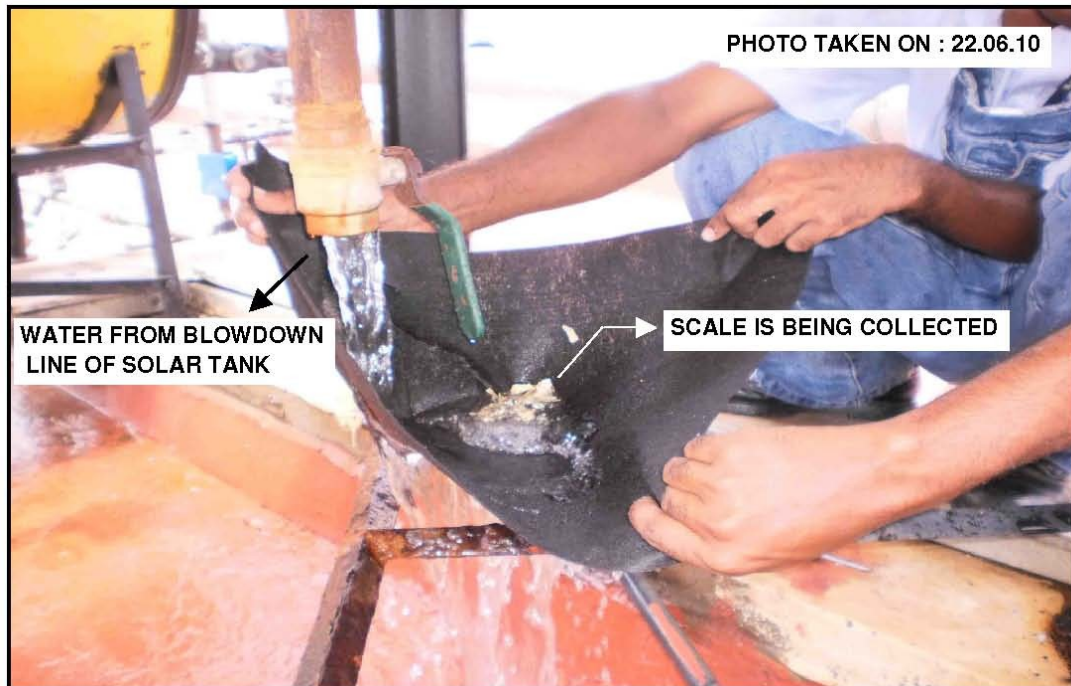
# INFOSYS - MYSORE GMX ON SOLAR HEATERS INSTALLATION PHOTOS





## INFOSYS - MYSORE GMX ON SOLAR HEATERS

SCALES WERE LOOSENED AND REMOVED FROM THE COILS AND SOLAR TANK  
THROUGH BLOW DOWN 10 DAYS AFTER GMX INSTALLATION

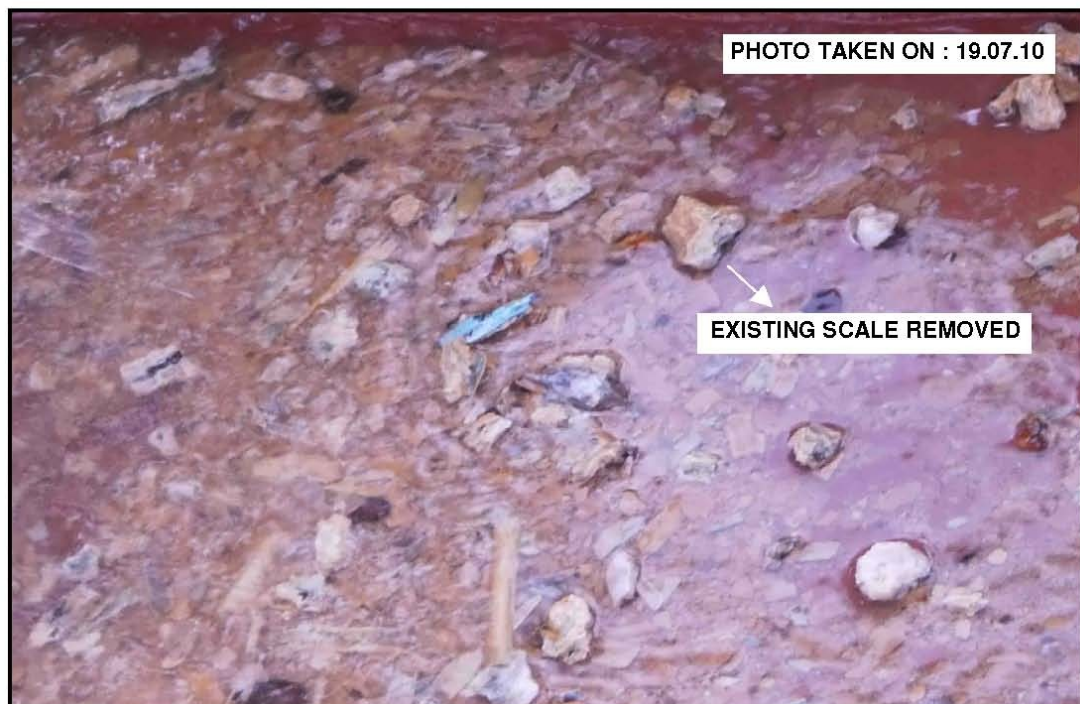






## INFOSYS - MYSORE GMX ON SOLAR HEATERS

FURTHER REMOVAL OF SCALES THROUGH BLOWDOWN  
20 DAYS AFTER GMX INSTALLATION





## INFOSYS - MYSORE GMX ON SOLAR HEATERS

FIXING OF BAG IN THE SOLAR PANEL TO TRAP  
THE EXISTING SCALE DURING BACK FLUSHING







## INFOSYS - MYSORE GMX ON SOLAR HEATERS

COLLECTED SCALES FROM THE SOLAR PANELS DURING BACK FLUSHING

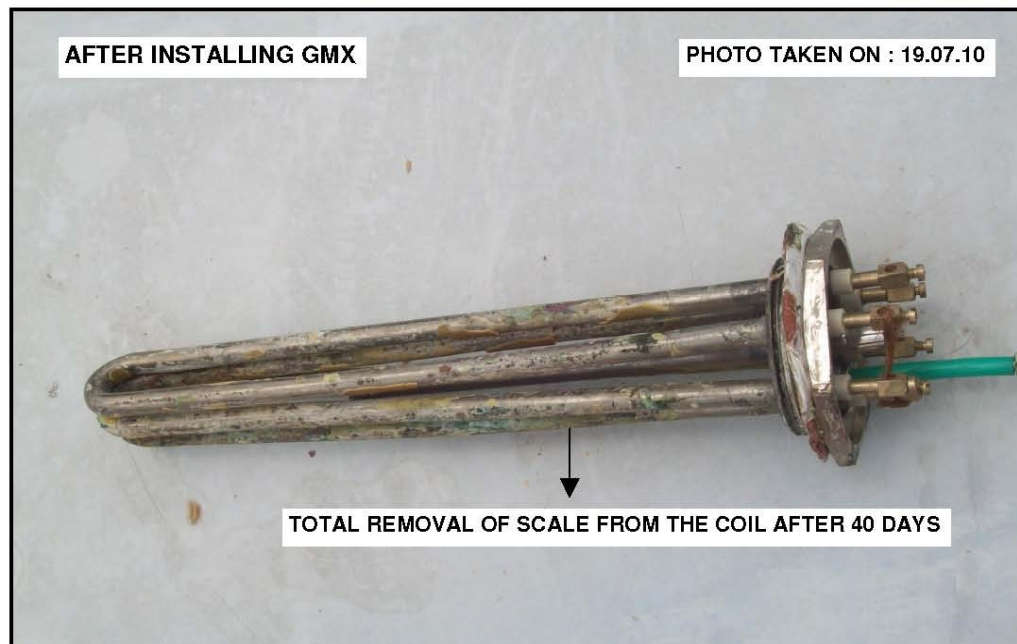
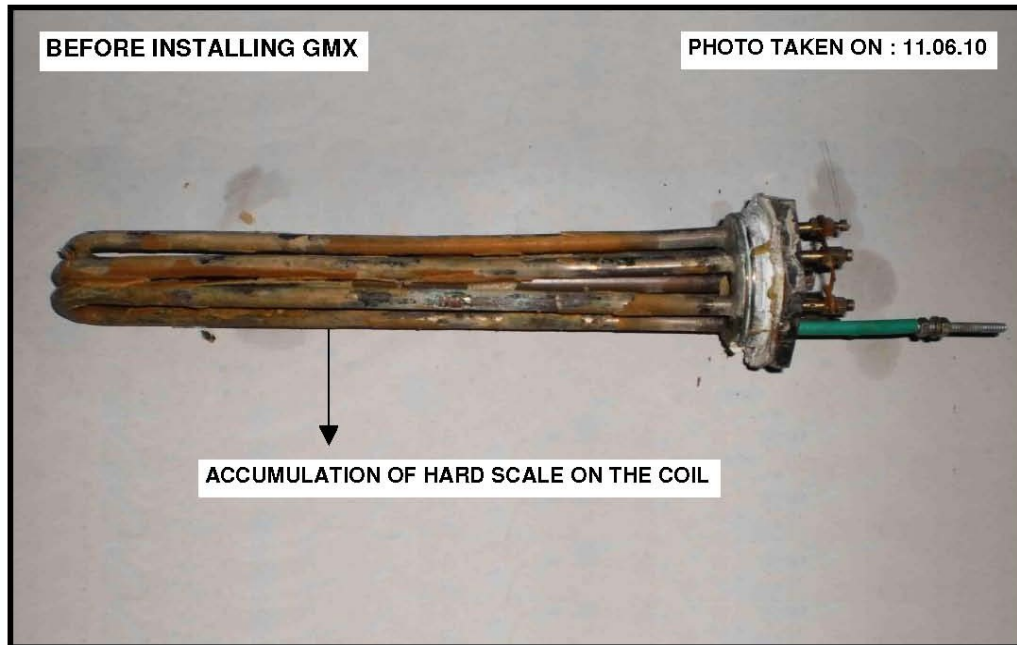




## INFOSYS - MYSORE GMX ON SOLAR HEATERS

Solar heater capacity : 3000 Ltrs  
Brand : TATA BP  
Before fixing GMX : 4 mm scale thickness  
on the coils.  
Age of Solar heater : 1.5 Years.





GMX Fitted on: 11.06.10, Building No. : 66  
Checked on : Ist Inspection - 22.06.10  
2nd Inspection - 02.07.10  
3rd Inspection - 19.07.10  
Result : Total removal of hard scale  
& no further deposit.





**GMX PERFORMANCE REPORT**  
**ON SOLAR HEATERS AT INFOSYS MYSORE**

GMX installed on : 11.06.10

Date of inspection	Pictures of Heating element (Coils) has been taken	Checked and Counter Signed by Official of Infosys (Mr. Rudrachari)	Inspected by	Remarks
<b>BEFORE</b>				
11.06.10	Yes		M5: Robin Infosys : Murali	Accumulation of hard scales in the coil and solar tank.
<b>AFTER</b>				
22.06.10	Yes		M5: Robin Infosys : Murali	Scales were loosened and removed from the coils and solar tank through blow down.
02.07.10	Yes		M5: Robin Infosys : Murali	Further removal of scales through blow down.
19.07.10	Yes		M5: Robin Infosys : Murali	Total removal of scales in coil & solar tank and no further deposition.

Encl: Pictures of coil and removal of scales through blow down.





EXOTIC LIFESTYLE  
C O N C E P T S

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