




## Installation details

Location: Lhasa 21 Inn, Tibet  
 Model:  Vulcan 5000  
 Area: Water main  
 Installed by: Shaanxi Wasser

## Installation Purpose

In April 2017, a 6-ton tubular solar water heating system was installed. Without any water treatment, as of May 2018, due to the serious scaling problems, manual descaling and system maintenance had been made for 3 times. Even solar glass tubes, headers, valves, pumps, etc. must be replaced, the client had a large loss.



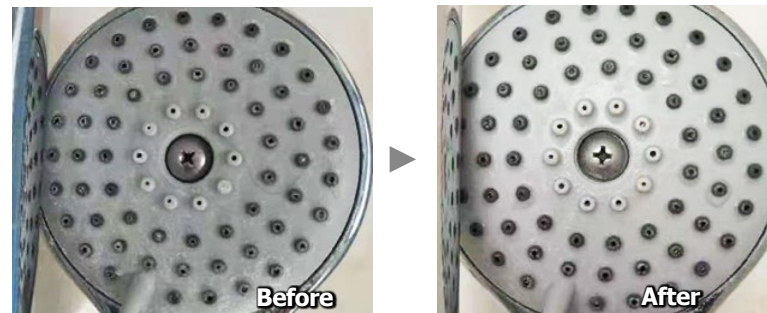
Pipe joint fittings had to be replaced because of scale and rust.



Heating rods were damaged by scale.

## The results

1. After installing Vulcan 5000 for 1 month, the scales of the shower heads have been significantly reduced.

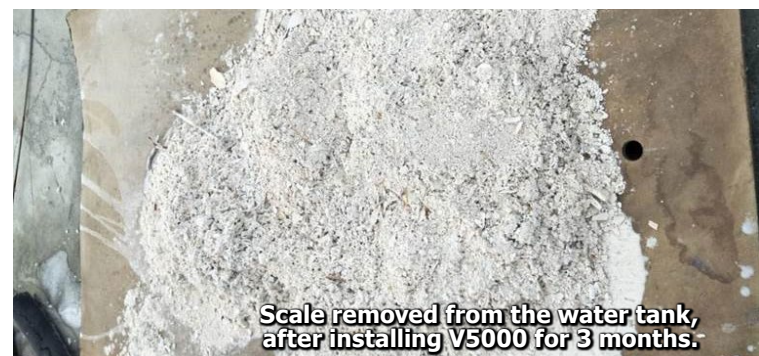


2. The scales on the float valve in the hot water tank have been softened, they can easily be tapped off.

See the video here: [www.bit.ly/cn-tank](http://www.bit.ly/cn-tank)



3. After 3 months of installation, we cleaned the hot water tank, and found a large amount of scales were drained out. The photo below is the scales removed from the water tank. Also, the heat transfer efficiency of the solar system has been significantly improved, the performance almost has stayed the same just like the beginning of installing Vulcan.



Scale removed from the water tank, after installing V5000 for 3 months.