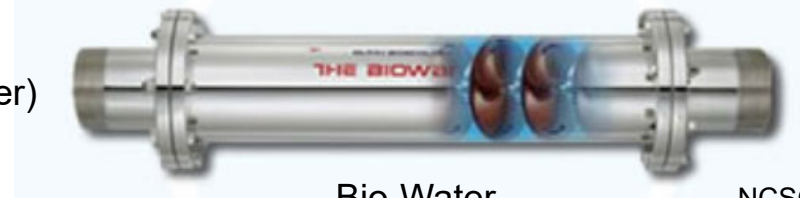


Energy saving through non chemical based descaling

TOSHIKOGYO CO., LTD.

Summary of technology

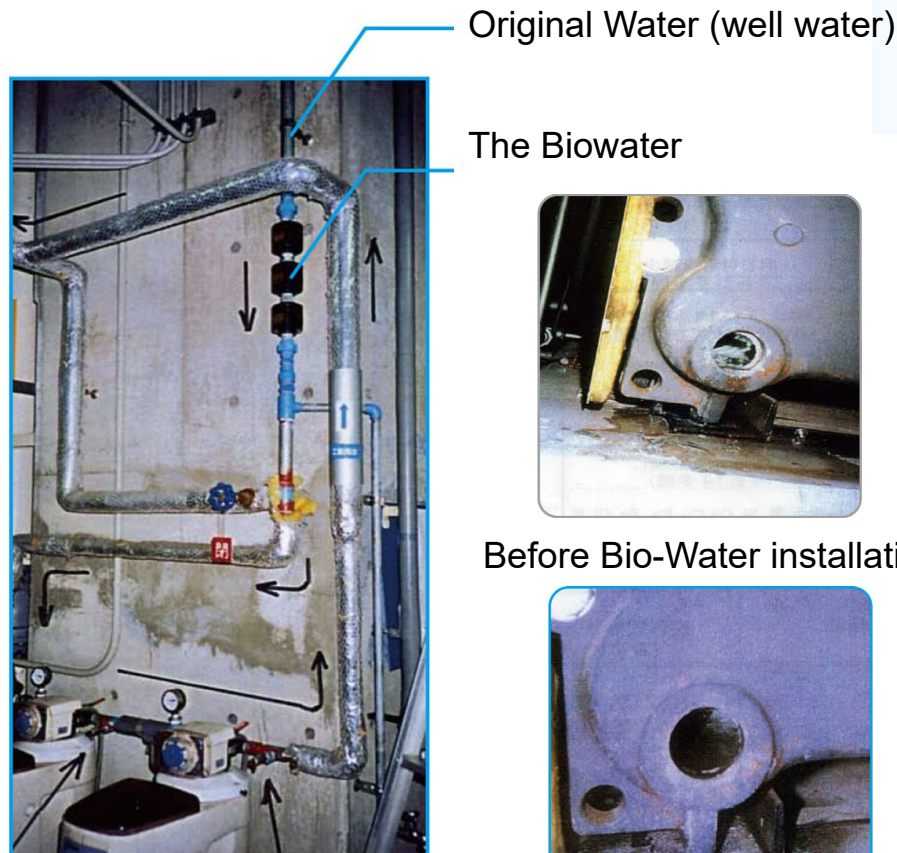
- By using “Bio-water” water reforming device, red rust inside the wall of old and deteriorated water pipes changes into black rust. Also, scale adhered to the wall of water pipes is removed.



Bio-Water

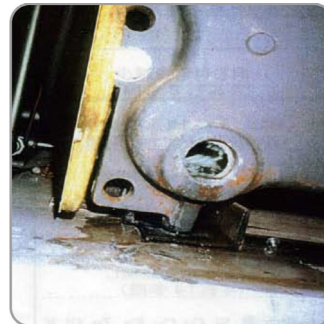
NCSC method

Japanese Patent No. 3703660

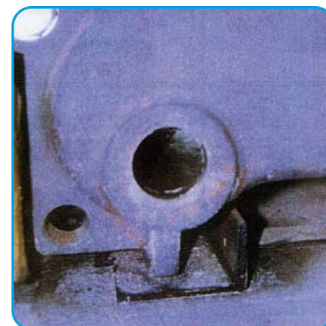


Original Water (well water)

The Biowater



Before Bio-Water installation



After Bio-Water installation

Technology features / advantages

- When “Bio-water” is installed, it is not necessary to replace old and deteriorated water pipes with new ones. Existing water pipes where scale is removed and red rust is changed to black rust, can be used in good conditions for many years to come.
- When “Bio-water” is installed at centrifugal chiller for large cooling system, used for cooling towers, electricity consumption is reduced by 35%. Energy saving with better heat transfer efficiency by scale removal of “Bio-water” function.