



Scientific Instruments

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Turkey

(Mario Brothers)

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Regarding to water efficiency, it is a faucet system that will prevent the waste of clean water flowing during the expected time for warming up the hot water used in bathrooms and kitchens in our homes and to save water more economically. It is also an intelligent faucet or shower head system that allows water in living areas with existing water heating systems to be heated faster and with less energy.

Remaining cold water in the pipes between the hot water source and the faucet can be prevented from being wasted. Smart saving tap will be heated by micro heaters operating on the basis of multiple frictional forces in the cold water to be discharged.

Furthermore, the use of electric heating systems in places such as bathrooms and kitchens poses a safety problem. In order to solve this problem, it does not need electrical energy and it uses water pressure to convert this mechanical energy into heat to get heat and transfer the heat to the water.

The friction-based micro-heater model, which will provide efficient heating system, is designed to provide the highest heat efficiency. The amount of water to be heated will be maximum valued due to the step-type channels to be formed in the water pipes and the rotation movement in each channel and the water pipes that generate heat by striking the channel inner walls. Thus, billions of cubic meters of water will not flow every year and at the same time the quality of life of the individual will be increased.