

ABSTRACT

To provide a water activation piece for use in a flow passage for forming a more efficient water flow stirring state for activating water through the piece which is formed in a simple structure with limited flow passage length, and a structural arrangement of the water activation piece, and a water activation device using the water activation piece and a structural arrangement thereof.

The water activation piece 4 is formed as a cylindrical body with a through hole 42 that includes an axis 41. Spiral grooves 43 are formed non-continuously or continuously on an inner surface and outer surface thereof so that when the axis of the water activation piece is established in the flow passage, the water activation piece axially rotates by the flow pressure. The spiral grooves 43 are formed in a rightward rotation (clock-wise) manner in plan view. A water activation device 1 is configured by arranging one or more water activation pieces in a holder 3 where the axial direction thereof is established along the flow passage so that the water activation pieces do not contact with each other, and multiple layers of the holders 3 are established in an internal space 26 of the body.

