

The invention relates to the volume measuring and liquid metering hydraulic installations, in particular for controlling the chemical and technological and biological processes, and may be used in sewage treatment for metering of reactive solutions.

The liquid metering installation contains a loading reservoir and an intermediate one, communicating with the first one and a metering tank. The hermetically sealed loading reservoir is equipped with a level gauge, air and liquid outlet pipes, provided with valves and fixed into the upper and lower parts thereof respectively and the free ends are placed into the hermetically sealed intermediate reservoir, installed under the loading reservoir. Into the free U-shaped bent end of the liquid outlet pipe there is placed a shut-off valve of the floating type mechanism, the rocker of which is fixed into the upper part of the intermediate reservoir. At the base of the intermediate reservoir, beyond it there are fixed a liquid outflow rate scale and a tube, placed into the vertically moving cylinder of the metering tank, rigidly fixed into a holder, mobile mounted onto a guide rod and onto a lead screw, forming together with the holder a helical pair and it is kinematically joined with a reversible motor. Into the base of the metering tank cylinder there is made a calibrated orifice and onto the holder it is fixed an indicating pointer.

Claims: 1

Fig.: 1