

This invention relates to the area of mechanical treatment of fluids by shift tension and can be used to prepare fine-dispersed emulsions and suspensions and for cleaning, deodorization, disinfection of liquids, etc. A proposed equi-rate nozzle comprises at least two nozzles that are coaxially placed in the nozzle with the largest diameter. Each of the inner nozzles has a confuser and a diffuser, those are connected by cylindrical cavity. At that, each inner nozzle with smaller diameter has larger length than each of the nozzles with larger diameter. The angles of inclination of the generatrices of the confuser and the diffuser to the axis of the equi-rate nozzle of the nozzles of smaller diameter are smaller than the angles of inclination of the generatrices of the confuser and the diffuser to the axis of the equi-rate nozzle of the nozzles of larger diameter. Such structure promotes equilibration of instantaneous rates of fluid at cross-section of the nozzle and as result its more uniform mechanical treatment.