

The invention relates to mixing technique. A double-chamber jet aerator contains a cylindrical collector with openings evenly located along the generatrix of collector, and an air duct made in the form of a U-shaped profile with vents evenly located along the basis placed on the surface face. The openings of the collector are coaxial to the openings of air duct. In accordance with the invention, nozzles are installed on the vents of air duct, each of those contains a cylindrical mixing chamber, which is connected with an output diffuser. The invention provides formation in the aerator of additional mixing chamber and intensification of sucking in into it of air with formation of powerful water-air torch, which has high expulsive force and blocks water inflow into the air duct.