

The invention relates to devices for separation of suspensions and may be applied in the food, chemical and other industries.

The hydrocyclone contains a body, made in the form of a hollow cylinder, joined in the lower part with a hollow cone, a cover with stuffing box seal, a liquid supply pipe tangentially fixed to the body, pipes for discharge of the purified liquid and of the concentrated mass, respectively, as well as a cone, installed concentric about the cone of the hydrocyclone body, forming an annular channel, communicating with the pipe for discharge of the concentrated mass. Novelty consists in that the pipe for discharge of the purified liquid is provided with a cone, oriented with the smaller base to the pipe for discharge of the concentrated mass, onto the side surface of the cone being executed screw-shaped through windows with screw-shaped plates bulging over them, curved opposite to the liquid movement and forming channels for dispersed and uniform discharge from the inside of the rotatable liquid of the most clarified part thereof, and the cone placed above the pipe for discharge of the concentrated mass is made without detachment bulges and it is installed with the possibility of displacement over the vertical and of fixation in the given position.