

A heating saturator has a vertical cylindrical housing with side pipes for juice supply and discharge, devices for supply of saturation gas and providing its long-term contact with juice. According to the invention, over the upper part of the vertical cylindrical housing a device is installed as a cyclone with double walls, between which water is circulated by screw path, with two tangentially located pipes for supply of a mix of vapor, gases and juice drops into the device, and central pipe for discharge of gas mix. The construction of the heating saturator allows full operation of apparatus functions for saturation process, providing of use of the heat of formed gas-vapor mixture and decreasing of emissions into atmosphere of saturation juice drops, which provides heat saving and decreasing of environment pollution.