

The invention relates to the sugar production equipment and can be used in the technological systems for purification of diffusion juice.

The device for batching and mixing two liquid components and their contacting with gas jets includes a reception and mixing vessel (19), wherein there are coaxially placed three vertical supply pipes: exterior (1) and intermediate (2) with branch pipes for inlet (4, 5) of liquid components and central (3) for gas supply, as well as a gas accumulation box (6) with an inlet branch pipe (7); the upper part of the central pipe is made with holes and placed into the gas accumulation box (6). In the lower part of the exterior pipe (1) it is mounted a hemispherical valve (8) fixed onto guide bars (9), placed along its outer surface and coupled with a piston actuating mechanism (11). In the central pipe (3) it is installed a rod (12), the upper end of which is connected to a rotation module (14) and a membrane actuating mechanism (15), and onto the lower one it is mounted a hollow conic perforated valve (13) with the possibility of alternate and rotation motion along the outer surface of the central pipe (3).

Claims: 1

Fig.: 2

