

The invention relates to the equipment of the sugar and confectionary productions and can be used in the technological systems of batching and mixing several liquid components.

The device for batching and mixing four liquid components includes a reception and mixing vessel (24), wherein there are coaxially installed three vertical supply conduits (2, 3, 4): external (4), intermediate (3) and internal (2), joined respectively with the pipes (5, 6, 7) for admission of three liquid components, and a rod (13), installed coaxially to the pipes with the possibility of reciprocating motion. At the same time, in the lower part of the rod it is mounted a conic liquid component supply control valve (10), equipped with guide bars (15), and the upper end thereof is joined with an executing mechanism (14) and with a rotation module (16). In the lower part of the external pipe (4) it is mounted a hemispherical valve (12), fixed onto guide bars (17), placed along its outer surface and joined with the executing mechanism (14), and in the lower part of the intermediate pipe (3) it is mounted a hollow conic valve (11). Novelty consists in that the device additionally contains a vertical central pipe (1) for supply of the fourth liquid component and a closed box (8) installed coaxially to the pipes (2, 3, 4) and joined with a pipe (9) for admission of the fourth liquid component, wherein it is mounted a gate valve (36) joined with an automatic device (37). At the same time, onto the upper part of the additional pipe (1), placed into the box (8), there are made holes, and the conic valve (10), mounted in the lower part of the rod and equipped with short guide bars (15), passing through the hollow conic valve (11), is made perforated.

Claims: 1

Fig.: 2

