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The invention relates to the beet sugar production technique and may be used in the diffusion juices purification.

Summary of the invention consists in the fact that the apparatus comprises a tank for mixture receipt, a branch pipe for lime suspension feeding, a lime suspension outlet branch pipe connected thereto in the inner of which there is aligned a rod with a possibility of reciprocating motion, on the lower end of which is fixed a conic valve for lime suspension feeding control and provided with guiding bars, juice feeding branch pipe which is connected to juice outlet one, aligned in respect of lime suspension outlet branch pipe forming an annular space for juice passing and provided with a juice feeding control valve installed with a possibility of reciprocating motion and a mechanism for valves displacement, by that, the juice outlet branch pipe is provided with a diffuser, the juice feeding control valve is manufactured in the form of semi-sphere and is provided with guiding bars located along the diffuser external face for juice outlet.

The technical result of the invention consists in providing an uniform distribution of the suspension particles in the mixture volume and intensification of mixing juice with a lime suspension.

Claims: 1

Fig.: 1