

The invention relates to the mechanical engineering and may be used in the technological processes for production of building-purpose mixtures, in the powdery metallurgy, as well as in the food and processing industry.

The mixer contains a body 1 in the form of body of revolution placed horizontally, in the upper part of which there is mounted a loading device 10 and fixed a branch 8 for feeding the process liquid into the mixing cavity. The wall of the body is made double and includes the external 3 and internal 4 shells, in the cavity 5 filled with liquid, formed between the shells, there is placed an electric heater 6, and in the upper part thereof – a thermal sensor 7. Into the body 1, coaxially with it, there is mounted on bearing supports a shaft 13 joined with the drive, onto the shaft being fixed mixing members 14, made in the form of rods. Novelty consists in that the body 1 is installed on posts 2 with the possibility of rotating about its own axis, the loading device is made in the form of a chute 10, placed along the body, the loading-unloading opening 11 of which is covered with a rotary cover 12, articulately placed along it and provided with a batch, and the mixing members 14 are fixed onto the shaft 13 in two helical lines, directed contrary, the amount of which constitutes two or more.

The body 1 may be provided with a stopper, preventing its turning during mixing, and radially fixed handles 15 onto one or both bases.

The branches 8 for feeding the process liquid may be installed symmetrically on two sides of the body 1. The loading-unloading opening 11 of the chute 10 is covered with the rotary cap totally or partially. The electric heater, provided with a temperature regulator, may be made in the form of rod or spiral. The mixing members 14 may be made straight or bent, as well as in the form of rigid, elastic or flexible rods.

Claims: 14

Fig.: 2

