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The invention relates to the technique for drying loose materials and can be used in the food, chemical and microbiological industries.

The dryer with vibration-fluidized bed contains a frame, a wet material loading hopper, a drying chamber with a lid, a branch pipe, a sieve, a vibrator, a heater, air ducts, a system for purification of the treated heat-transfer agent and a fan. The dryer is also equipped with an aspiration and drying chamber with cover, a suction telescopic branch with a lock of its level and a ring. The sieve is made conical with the possibility of changing the angle of inclination from 2 up to 20°. The conical sieve is placed on the frame with the cone vertex downwards, on elastic elements, connected to the vibrator. The suction telescopic branch is built into the aspiration and drying chamber and into the air duct, the latter being installed in the top of the aspiration and drying chamber.

The result of the invention is to achieve the joint process for drying and separation of the processed material in the dryer with vibration-fluidized bed.

Claims: 2

Fig.: 2