

MD.9.**Title****Drying plant for fruits and vegetables****Authors**

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The drying of fruit and vegetables is ensured by an installation consisting of a housing on which the drying chamber is mounted to which a centrifugal fan is mounted by means of a heat generator; a recycling channel is also connected to the drying chamber, which is adjusted to a condenser, which is connected with a centrifugal fan through an intermediate channel. A microwave generator is mounted on the drying chamber and at the bottom there is an intermediate chamber in which a weighing machine is placed; Also in the lower part of the drying chamber is a lid, on which is placed a CO₂ indicator and a CO₂ receiver.

Description EN

At the bottom of the installation, a processor is mounted in the casing to guide the microwave generator; a refrigeration plant for conducting the condenser via a pipe; and a resistor for directing the heat generator. At the same time the plant is equipped with a CO₂ tank, which allows it to be fed through a hose.

Thus, the product destined for the drying process is loaded into the drying chamber, opening a lid.

The drying plant for fruit and vegetables allows to obtain a qualitative product by optimizing the drying process of the product by applying three drying methods in a single plant; convection drying, microwave application drying and CO₂ drying with microwave application, convection or combining. 3, 4.

Class no.

