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Link to the product: https://www.ikrtech.pl/butter-churns-300-litr-p-302.html



Butter churn 300 l

Availability	**On order**

Product description

A 3**00-liter butter churn** is a batch-type drum butter maker designed for churning cream, previously obtained by separation in a separator, into butter. Cream with a fat content of 25 to 40 percent is poured through a hatch into the drum of the butter maker, filling approximately 0.4–0.5 (up to half) of the total geometric volume.

For high-quality butter production, the filling of the churn with cream should be within 0.4–0.5 of the total volume. For example, in a butter churn with a geometric volume of 100 liters, 40 to 50 liters of cream are poured in at a time for optimal churning. The churning duration ranges from 40 to 120 minutes and depends on the temperature, composition of the raw material, and degree of pasteurization. Inside the drum, there are blades that lift the cream and, as it falls under its own weight, it breaks up inside the drum.

Repeated impacts and mixing lead to the compaction of the butter, resulting in a product with a plastic consistency. The drum stops once butter grains are formed, after which the buttermilk is drained into a container through the discharge valve. The butter grains are churned until a continuous layer of butter is formed.

Construction of the butter churn:

Structurally, the butter churn consists of a cylindrical horizontal tank (drum) (1), which is mounted on a frame (2). Inside the tank, there are four special blades positioned at a specific angle. The gearmotor (3) is also mounted on the frame and connected to the tank via a coupling. It enables the rotation of the tank around its own axis. The tank is equipped with a hatch for loading cream (4) and a valve for draining buttermilk (5). On the end of the tank, there is an inspection window with a diameter of 50 mm (6), which is used to observe the butter churning process.

For more detailed information, please contact our managers!

IKR GROUP.

Manufacturer and selection

IKR Group — manufacturing and configuration

We manufacture IKR Group equipment in Ukraine. The specification and scope of supply are agreed for the particular model and process. The description and technical table refer to the stated version; additional equipment must be confirmed in the quotation.

What should your enquiry include?

- The name and capacity of the selected model and the product you intend to process.
- Your planned batch size and daily number of cycles; catalogue capacity does not always equal the permitted working load.
- Available electricity and utilities, and your heating, mixing, control and cleaning requirements, where applicable to the selected equipment.
- Installation space, dimensional restrictions, and the delivery country and city.

Before ordering, we will confirm the agreed configuration, utility connections, documentation, price and lead time. Not every option is available for every model.

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You can also use the enquiry button on this product page to identify the selected model.