



Complete dairy solutions



PJ EN 30 03 2022

Plevnik products – in the service of the user

All Plevnik devices are user and environment friendly as well as energy-saving. They are designed and manufactured for long-term use.



Consulting



Visit



Planning



Production



Assembly and start up

More information

Quick and simple production of butter and buttermilk



BUTTER CHURN

PJ13 / 25 / 50 / 100



The milk processing specialists.
Together we have created more than 4.000 successful cheese-making stories.

Representative:



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Add value to milk.

Updated butter churn for quick and simple production of butter and buttermilk

- **Quick and efficient**

 - 10–20 % faster* to final product
 - kneading even minimal quantities of product
 - equal arrangement of buttermilk in butter
- **Simple maintenance and cleaning**

 - made from high quality steel AISI 304
 - special tretment of inner and outer surfaces for easier cleaning
- **Yield** when processing:**

 - 50–60 % of butter from cream
 - 5 % of butter from fermented milk
- **A wide range of products can be produced with the churn:**

butter, buttermilk, cheese spreads etc.

Standard equipment:



- 1

Stirring shovels running close to the wall **speed up the process for 10 %*, provide efficient kneading** even with minimal filling of the butter churn and ensures an **equal arrangement of buttermilk** in butter.
- 2

A speed regulated electric motor ensures **process management** and **adaptability** to different fat content in products.
- 3

Double coat helps reach and maintain the **optimum temperature for cream ripening in the container** (with butter churns **PJ50** and **PJ100**).
- 4

The butter churn cover ensures **safe and controlled processing**. Transparent acrylic cover for **PJ13** and **PJ25**, and a stainless steel cover with a viewing glass for **PJ50** and **PJ100**.
- 5

The mixer can be disassembled using a special attachment. This **facilitates the emptying of the container**.
- 6

Specially treated inner surfaces for **easier emptying and cleaning of the interior**.
- 7

The outlet valve enables faster draining of buttermilk and water. This **saves time when rinsing the butter**.



Video

Optional equipment:

Higher stable support or support on wheels

Easier work with the butter churn due to a higher working height (900 mm). Simple moving with support on wheels.

Tilting mechanism

Enables the tilting of the butter churn for easier emptying and washing (drainage).



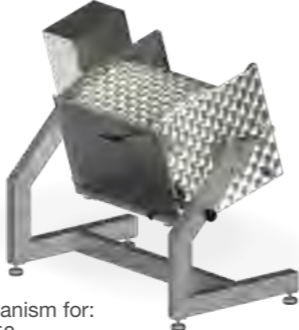
Stable support for: **PJ13**, 25, 50, 100



Support on wheels for: **PJ13**, 25, 50



Tilting mechanism for: **PJ50**



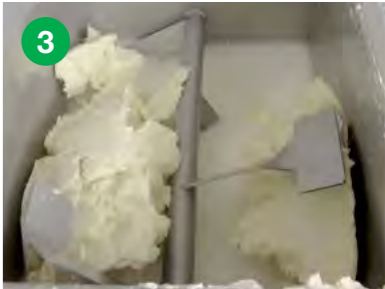
Production process*



Ripened cream is poured in the butter churn.



State after 10 minutes of high-speed mixing.



After 20 minutes, the buttermilk is secreted and discharged through the outlet valve.



The butter is washed with water, until the water is clear.



State after 25 minutes of mixing. The butter has been made.



The butter is removed from the butter churn and put into moulds.

Final products:

→ Butter

- contains at least 82 % of milk fat and up to 16 % of water
- widely applicable product
- contains a lot of healthy saturated fats and is a rich source of fatty acids and vitamins A, D and K

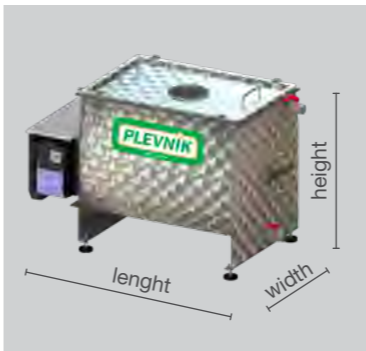


→ Buttermilk

- contains up to 1% of milk fat
- commercially attractive product
- rich in vitamins, proteins, potassium and calcium
- low calorie content



Technical information:



Type	Maximum cream volume (l)	Dimensions (mm)			Motor power (kW)	Product weight (kg)	Stirrer speed (RPM)	Outlet dimension
		length	width	height				
PJ13	13	630	600	420	0,5	30	60-150	1/2"
PJ25	25	765	620	540	0,7	50	45-143	3/4"
PJ50	50	920	710	615	1,5	70	38-118	1"
PJ100	100	1240	820	700	2,5	155	30-101	5/4"

*The process is faster compared to the previous model of butter churn.
** The specified yield and the described processes only apply under optimum conditions: cream temperature approximately 10–13 °C and suitable cream quality. The results and the time may vary.