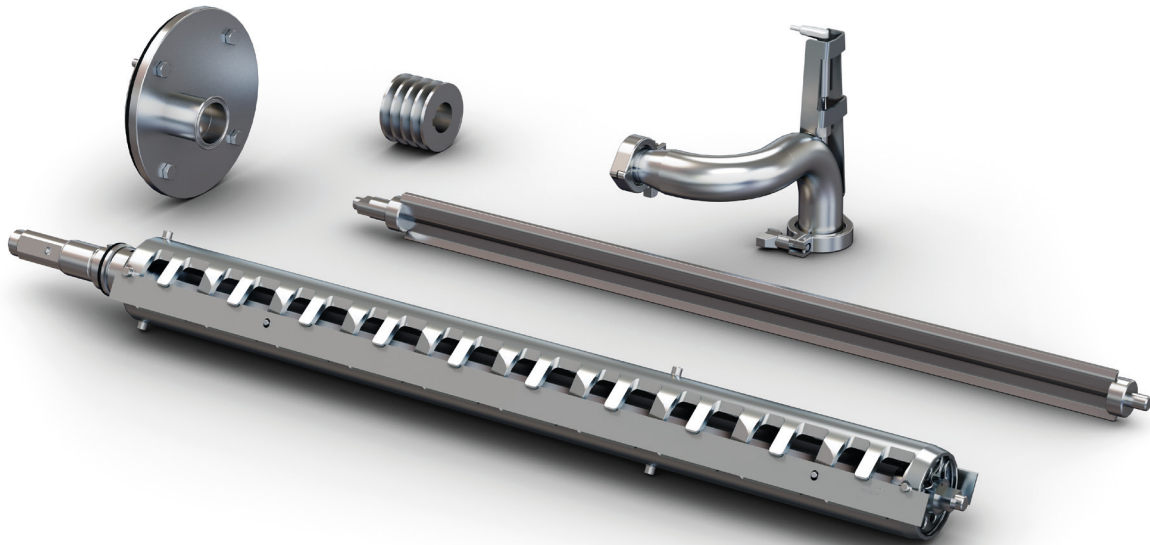


# Tetra Pak® Low Temperature kit for Continuous Freezer

Save energy, improve product texture



## APPLICATION

With the Tetra Pak® Low Temperature kit for Continuous Freezer it is possible to achieve a lower draw temperature / higher viscosity on a single barrel freezer, compared to a standard ice cream freezer. It is possible to reach up to -2°C colder ice cream compared to what a standard freezer can deliver, depending on running conditions and actual recipe.

A better texture can be achieved for recipes that require gentle handling or higher product quality.

## HIGHLIGHTS

- Easy installation
- Fast start-up
- Greater operational flexibility
- Reduced environmental impact
- Lower operational cost

## WORKING PRINCIPLE

Made to be installed on a continuous or self-contained freezer, the Tetra Pak® Low Temperature kit for Continuous Freezer is designed to make colder ice cream by optimizing the energy introduced into the ice-cream during production.

This is achieved with a special dasher and beater design that will minimize backpressure for the product in the cylinder.

Using a variable dasher speed in combination with above offers the possibility to adjust the agitation in the freezing cylinder, adding only the necessary amount of agitation. This will minimize the energy introduced into the ice cream, and thereby lower the temperature.

Production time can be lowered compared to a traditional setup, either by reducing hardening time or by using only one machine, rather than a two-stage low-temperature freezing process.

## BASIC UNIT

Tetra Pak® Low Temperature kit for Continuous Freezer is easily installed on a standard continuous freezer or a self-contained freezer and consists only of automation parts as well as an easily replaceable dasher, inner beater and piping. As the amount of cooling is not increased, the cooling system is not changed, nor is the dasher motor.

## MAIN COMPONENTS

- Low temperature dasher
- Low temperature beater
- Variable dasher speed
- Stronger scraper knives for high viscosity
- Piping and front cover

## LAYOUT

## CAPACITY

The low temperature kit can be installed on all Tetra Pak® Continuous Freezers delivered after 2005, including all CF A2, KF F1, as well as all CFS 700 and CFS 1500 models. Depending on actual base freezer running conditions and recipe, a reduction of flow capacity of up to 25% can occur.

## CONSUMPTION DATA PER CLEANING LINE

### Electrical power

Same as standard freezer consumption

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### Cooling power

Same as standard freezer consumption

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### Compressed air

Same as standard freezer consumption

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