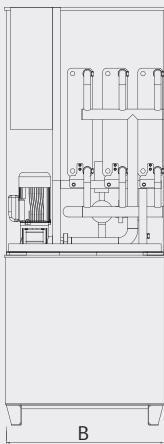
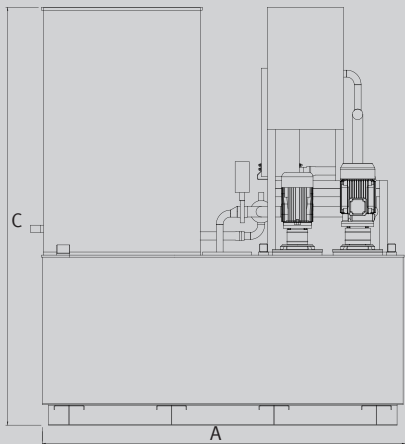


MUELLER - OFFERING HIGH QUALITY AND EFFICIENT MILK COOLING SOLUTIONS

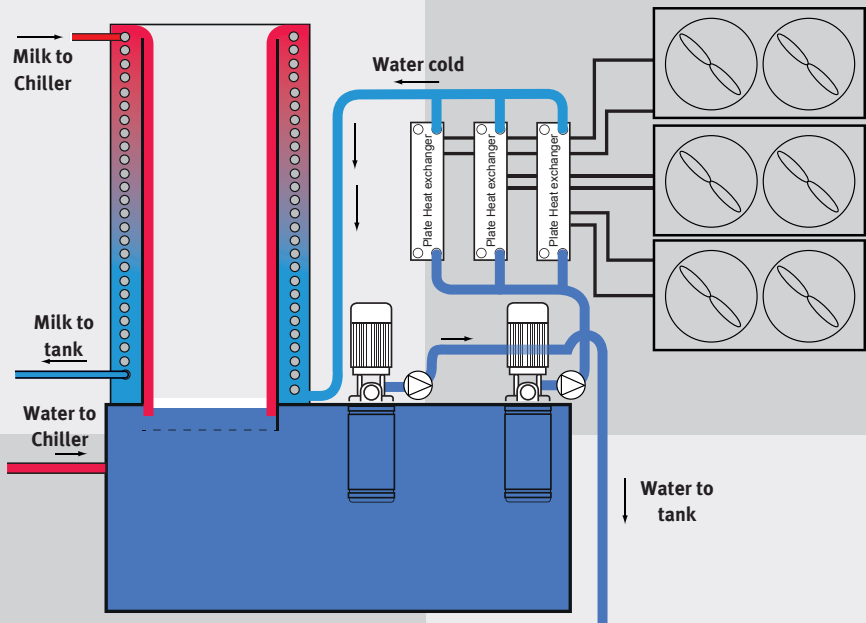


For more than 70 years, Mueller has been building milk cooling systems. And our hard work paid off: we have become one of the world’s largest suppliers. Our products are chosen by more dairy farmers throughout the world than any other brand. For the reason that we are giving them the assurance of optimum storage and cooling of milk on their farms. With a Mueller milk cooling system dairy farmers have an absolute guarantee of product quality, reliability, business continuity and sustainability.

DIMENSIONS



Empty weight (KG)	Length in mm A	Width in mm B	Height in mm C
520	1808	800	2052



CHILLER

Advanced

CHILLER ADVANCED

When you use a Chiller Advanced in combination with a Mueller milk cooling tank, you can either instant cool or pre-cool your milk, depending on the milk flow.

The Mueller Chiller Advanced cools a glycol solution (food grade), which circulated internally through the Spiral Cooler. This results in rapid cooling of the milk.



BENEFITS

- Improved milk quality
- Compact design
- Built-in stainless steel spiral cooler
- Low pressure
- Spiral cooler is very easy to clean
- No blockage of milk or other liquids possible
- Cooling capacity up to 100 kW
- Especially designed for cooling down liquid foods
- Especially designed Mueller Multi-stage control for cooling down liquid foods
- Can be installed with to 1, 2 or 3 compressors
- High durability, low maintenance cost
- Reliable, many years of experience
- Low operating cost — refrigeration unit operation is only required while milking
- Factory assembled to reduce installation time and cost



Optional
An extra submersible pump for external use of glycol solution. This glycol solution can be connected to a bulk milk cooler (Mueller O/P or Silo). During the cleaning cycle of the spiral cooler, the chiller is able to produce ice water for external use!

Features:

- Milk will be cooled with food grade glycol solution
- 3 stage temperature control
 - Freeze protection
 - Stable outlet temperature of the milk, with $\pm 1^{\circ}\text{C}$ difference
- Built-in double Stainless steel (AISI 304) spiral cooler (35 mm x 2 mm)
- No blockage in milk or other liquids possible
- Stainless steel spiral cooler is easy to clean
- Anti short cycle for compressors, the compressor will have the same run time
- Low pressure drop ($\pm 0,5$ Bar)
- Suitable for 1, 2 or 3 compressors depending of the cooling capacity required
- Glycol solution option for external use
- Due to the oversized spiral cooler, this Mueller chiller will consume 10 - 15% less energy comparing to conventional ice bank systems
- Glycol solution reservoir is made of polyethylene HOPE
 - 380V 50Hz 3 phase

Conditions:

- Milk or other liquid most run through the chiller in a steady flow, without peaks
- Balance tank with frequency controlled pump is required to get the highest efficiency
- Pump running signal must be available
- Air pressure is needed to blow out the liquid in the spiral cooler



Multi-Stage Control

MULTI-STAGE CHILLER CONTROL

The Multi-Stage Control is specifically designed by Mueller to control the chiller process.

Benefits:

- Display with information of the exact status inclusive showing temperatures
- Each stage is selectable for either temperature sensor for the most efficient cooling solution
- Touch screen panel, easy to handle for user
- Freeze protection
- All programming is performed on the front panel in any operation

