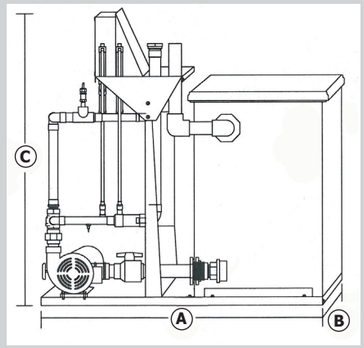
MUELLER - OFFERING HIGH QUALITY AND EFFICIENT MILK COOLING SOLUTIONS

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

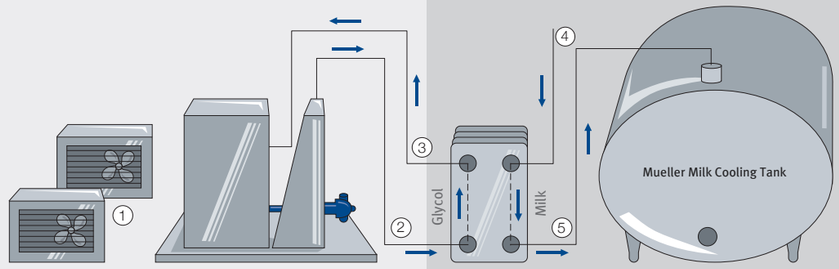


Single Phase

Product	Installation	Empty weight (KG)	Lenth in mm A	Width in mm B	Height in mm C
CP2-10	Floor	383	1.300	775	1.350
AT10DWD-52	Wall	130	410	275	830
AT10DFM-91	Floor	240	865	323	965

Triple Phase

Product	Installation	Empty weight (KG)	Lenth in mm A	Width in mm B	Height in mm C
CP2-20	Floor	383	1.300	775	1.350
AT10DWD-52	Wall	130	410	275	830
AT10DFM-91	Floor	240	865	323	965



Chiller Compact

Mueller Accu-Therm®
Plate Heat Exchanger

Chiller Compact refrigeration and water flow diagram:

1 - Condensing units for chiller
2 - Cold chiller water to the plate heat exchanger
3 - Return water to the chiller
4 - Warm milk to be cooled
5 - Cooled milk to the milk cooling tank

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CHILLER

Compact

CHILLER COMPACT IN-LINE COOLING

When you use a Chiller Compact in combination with a Mueller Accu-Therm® plate heat exchanger you can either instant cool or precool your milk, depending on the milk flow.

The Chiller Compact cools a food grade glycol solution that is circulated through the plate heat exchanger, which cools the milk. The chilled water is then returned to the reservoir to start the chilling cycle over.

Features:

- Compact design, requires less than 1,3m2 of space.
- Chiller system is completely plumbed.
- Suitable for 2 direct expansion compressors of 5hp (single phase), 10hp, 12hp or 15hp (triple phase), each of 32kW maximum cooling capacity per compressor (Not suitable for use with E-star compressors).
- 3hp circulation pump.
- Hot dip galvanized steel frame.
- 340 liters insulated synthetic water reservoir.
- Freeze protection.
- Built-in control unit for condensing units complete with temperature control, circulator pump contractor, ON/OFF switch and remote start capability.
- Stainless Steel evaporators.
- Anti shortcycle for compressors.
- Sight glass / and expansion valve.
- Electrical connection: 380Vac 50Hz 3-phase 7A / CP2-10 (220Vac 50Hz - single phase).
- Multi-Stage control is specifically designed for milk cooling.

Benefits:

- Reliable, 20 years experience.
- Simple design, easy to install.
- Compact machine, fits in machinery room.
- Capacity to use for pre cooling or instant chilling:
  - improved milk quality.
  - high milk flows quickly cooled.
- Plate heat exchanger available with 2 circuits: pre cooling and glycol solution in one.
- Cost efficient: operation of the condensing unit is only required while milking.

PLATE HEAT EXCHANGER

- **(Separate plate heat exchanger supplied for on-site connection):**
  - Stainless steel AISI316.
  - 2”NPT water connections.
  - 2” clamp-on milk connections.
  - Pump with a maximum capacity of 23m3/hour.
- **Choice of 2 models of plate heat exchanger:**
  - Model AT10DWD-52 wall mounted for single stage chiller cooling only.
  - Model AT10DFM-91 floor mounted for 2-stage, pre-cooling & chiller cooling.
  - Other capacitites available for your specific situation.

Multi-Stage Control

MULTI-STAGE CONTROL

Mueller chiller units are controlled by a multi-stage chiller control with 10 independent output stages and high/low temperature alarms.

Benefits:

- Dual temperature sensors are program-selectable tomonitor the chilled water leaving or returning to the chiller.
- Each stage is selectable for either temperature sensor for better control of the refrigeration units (and unloaders.)
- The remote start option allows the chiller to start automatically with the start of milking.
- All programming is performed from the front panel in any operation mode.