

MUELLER - OFFERING HIGH QUALITY AND EFFICIENT MILK COOLING SOLUTIONS

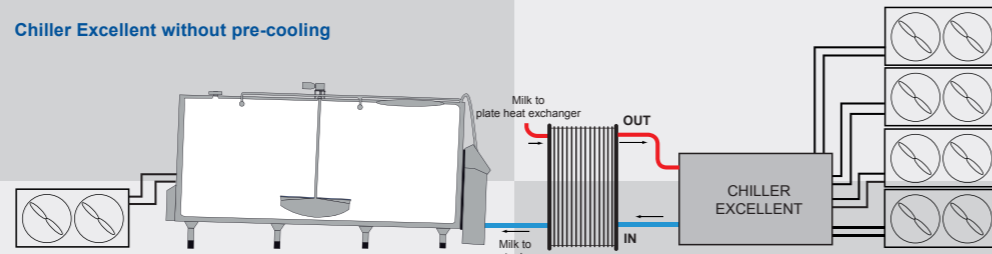
For more than 70 years, Mueller has been building milk cooling systems. And our hard work paid off: we have become one of the world's largest suppliers. Our products are chosen by more dairy farmers throughout the world than any other brand. For the reason that we are giving them the assurance of optimum 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.



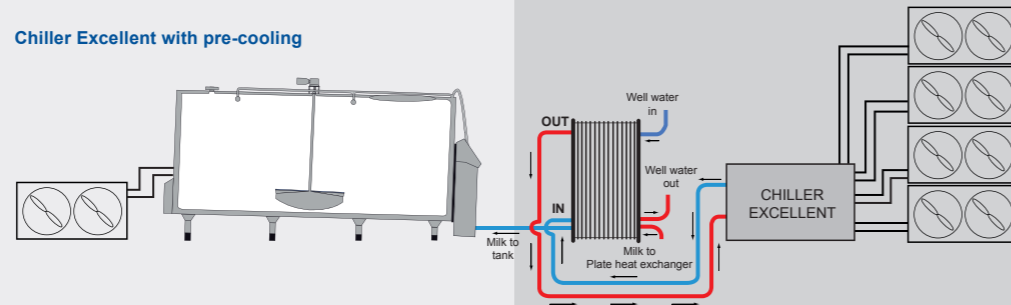
DIMENSIONS

Model	Empty weight (KG)	Length in mm	Width in mm	Height in mm
Excellent	680	2.337	1.297	1.067
AT20-DFMg1	638	990	530	1.245

Chiller Excellent without pre-cooling



Chiller Excellent with pre-cooling



CHILLER

Excellent

MUELLER IN-LINE COOLING

When you use a Chiller Excellent in combination with a Mueller Accu-Therm® Plate Heat Exchanger you can either instant cool or pre-cool your milk, depending on the milk flow.

The Chiller Excellent 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 complete the chilling cycle.



FEATURES

- Durable, polished Stainless Steel cabinet to prevent corrosion and contamination. Large removable covers for easy accessibility
- Chiller system is completely plumbed
- Suitable for 4 direct expansion compressors of 10hp, 12hp or 15hp (triple phase), maximum of 32kW maximum cooling capacity per compressor. Not suitable for use with E-star compressors
- 3hp circulation pump
- 520 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
- Multi-Stage control 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
 - large 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 FEATURES

- **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 different models of Plate Heat Exchanger:**
 - Model AT10DFM-91 floor mounted for 2-stage, pre-cooling & chiller cooling.
 - Other capacities available for your specific situation.



MULTI-STAGE CHILLER 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 to monitor 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.

