



E-CATALOGUE

**MILK COOLING
TANKS**

GENERAL SPECIFICATIONS:

Milk cooling tanks are generally used in dairy farms or in central milk collecting units. Cooling performance and capacity of tank is designed according to capacity of plant. Tanks are manufactured vertical for small capacities and horizontal for big capacities. Entire cooling groups can be mounted on tank or condenser parts can be mounted at outside. Tanks are manufactured in 500-20.000 liters capacity range. Optionally, washing and weighing groups can be mounted on tanks. As a standart all tanks have a CIP head inside. With this head, washing inside the tank with circulation method so that manual cleaning will not be needed. For this process, required chemicals and hot water should be used. Evaporators of tanks are manufactured with laser technology and are resistant to high pressures. Evaporators consist of panels with gas channels so cooling productivity is quite high. Poly urethane material is used on tanks as insutalion material which provides longest period of keeping product at fixed temperature. Agitators' rotation and win gangles are designed not to defect texture of product. In this way fat or product does not seperate.

COOLING TANK (500 - 1.000 - 1.500 lt)



COOLING TANK (2.000 - 3.000 lt)



COOLING TANK (5.000 - 6.000 lt)



COOLING TANK (10.000 - 15.000 - 20.000 lt)



COOLING UNITS



Cooling groups are designed according to capacity of tanks. For 500 - 1.500 liters capacity tanks single compressor is used and double or more compressors for higher capacities. That is because to provide a faster cooling process. Additionally, compressors work in a sequence depending on capacity which extends compressor life. Generally scroll type compressors are chosen. High/low pressure sensors are placed on compressors to make them in a healthy way. Condenser's capacity determined consider in ambient climate. Condensers have fan control system according to weather conditions.

ELECTRIC AND CONTROL PANEL:

Panel is designed resistant to water, steam and environmental conditions. It is made of stainless material and contains all electric materials to run all engines of system. All electric materials are first class quality. For high or low electric voltage it has a protection system inside. Warnings for high/low pressure, high engine current are available. And panel has stopping system ability when reached to desired temperature or starting it again when temperature value increases. It also rotates in certain periods of time while holding the product.



WASHING UNIT:

Washing unit is manufactured in two different systems: With PLC touch screen or with keyboard. Both systems use PLC. On touch screen type all intervention can be done on screen and all phases can be followed on screen. On other type, only washing function can be chosen. Washing is made in three phases: Pre-rinsing, washing using chemicals, final rinsing.



UNIT EQUIPMENTS