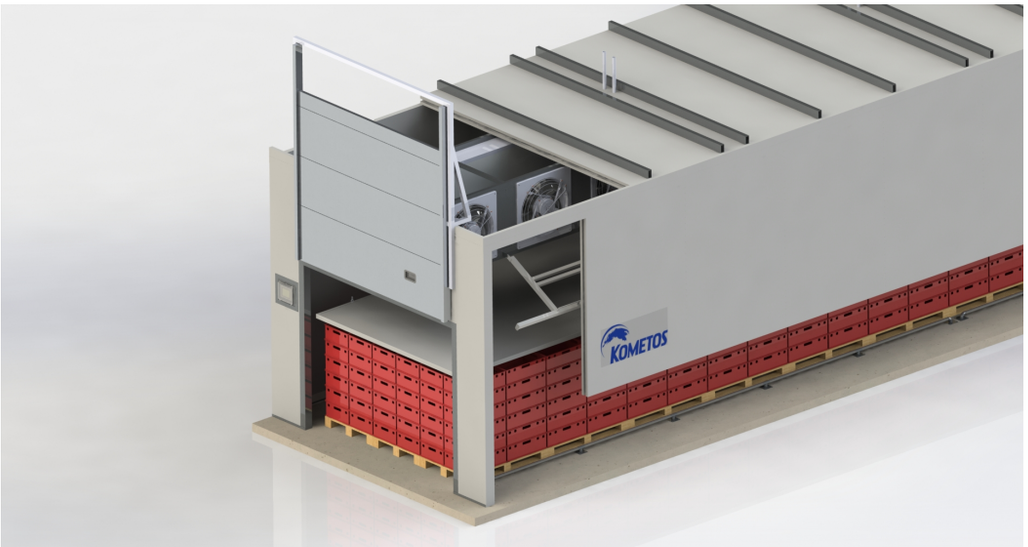

FINNCOLD THAWING PROCESS FC-MTS-24 EXTENSION (FC-MTS-36)

Product number **1101012124**

Technical information	
Size	11300 x 4600 x 3100
Capacity	24 + 12 euro pallets or 14.400 kg + 7.200 kg = 21.600 kg
Range	-20 °C (-18 °C) ... -2 °C, products in E2 boxes, trolleys or in carton packages + spacers between layers. -20 °C (-18 °C) ... +2 °C, products in E2 boxes or trolleys. Optimal thawing process is achieved when the product´s start temperature is -20 °C (-18 °C) for both the scheduled process and the so called direct thawing process.
Thawing time	Varies by product / by packaging, indicative times: -20 °C...- 2 °C 8 - 12 h -20 °C...+ 2 °C 12 - 18 h
Cooling	Cooling by means of a cooling agent. A coolant available in the system of the plant, such as NH3, glycol, freezium or similar. The solution is pumped to the heat exchanger unit delivered by Kometos. Cooling capacity requirement: 37 kW. Max. temperature of the solution: -15 °C.
Delivery limit	The client shall supply and connect a pipeline from their own cooling system to the heat exchanger delivered by Kometos. Kometos shall deliver the required valves, heat exchangers, pumps and pipelines from the heat exchanger to the room.
Heating	Heating by means of a heating agent. A heated solution available in the system of the plant, such as glycol, freezium or similar. Heating capacity need: 135 kW. Minimum temperature of the solution: +40 °C.
Delivery limit	Client supplies and connects a pipeline from own cooling/heating system to the heat exchanger unit delivered by Kometos. Client shall provide for a possible supplementary filling of the system, if required. Liquid circulating in the steamer of the thawing process is glycol.
Air circulation	Air circulation with EC-fans.
Intermediate level / Air guide	Electromechanical spindle motors for lifting and lowering the intermediate level.
PLC control	Control plc KOMETOS. The operating panel is located outside next to the process room door. Thawing equipment can be connected to the client´s Ethernet data network through which Kometos has the opportunity for a secure service connection.
INTERFACE DATA	
Electrical connection	3 x 400 V 63 A/room
Water connection	R ½", 4 bar
Compressed air supply	R ½", 2,8 bar