



FINNCOLD THAWING PROCESS EQUIPMENT MTS-12

Product number **1101012012**

Technical information

Size	6675 x 2800 x 3100
Capacity	6 – 12 euro pallets (3 600 – 7 200 kg) / process
Area of activity	-20 °C (-18 °C) ...+2 °C, Products in E2 boxes or trolleys. -20 °C (-18 °C) ... -2 °C, Products in E2 boxes, trolleys or in carton packages + spacers between layers. Optimal thawing process is achieved when the product's start temperature is -20 °C (-18 °C) in case of both the scheduled process and the so called direct thawing process.
Defrosting time	Varies by product / by packaging, indicative times:

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-20 °C...- 2 °C 8 - 12 h
-20 °C...+ 2 °C 12 - 18 h

INTERFACE DATA

Electrical connection 400 V 125 A
Water connection R ½", 4 bar
Compressed air supply R ½", 2,8 bar

TECHNIC OF PROCESS EQUIPMENT

Cooling Hermetic refrigeration compressor, refrigerant R449, cooling capacity of 7,2 kW (-10 °C / +32 °C). If the temperature of the surrounding environment exceeds +32 °C, the efficiency of the cooling compressor drops thus the thawing process is prolonged.

Heating Electric resistor heating, power 60 kW.

Air circulation Air circulation with EC -fans (3 pcs).

Air flow guide Rising and lowering with a spindle motor

PLC control LC control: The control logic Omron / KOMETOS. The thawing system will be connected to client's Ethernet-data network, through which Kometos has the opportunity for a secure service connection. IP addresses from a client. Ethernet connection enables to get thawing data from PLC.

OPTIONS Freezing -6 °C
Capacity 3000 kg