



## FINNCOLD THAWING PROCESS EQUIPMENT MTS-9

Product number **1101012009**

### Technical information

Size	5940 x 2800 x 3100
Capacity	6 - 9 euro pallets (3 600 - 5 400 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: -20 °C...- 2 °C      8 - 12 h

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-20 °C...+ 2 °C      12 - 18 h

## INTERFACE DATA

Electrical connection      400 V 100 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 4,7 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 45 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