



## 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:

# Finncold - FINNCOLD THAWING PROCESS EQUIPMENT MTS-12

-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