



FINNCOLD THAWING PROCESS EQUIPMENT MTS-18

Product number **1101012018**

Technical information

Size	9615 x 2800 x 3100
Capacity	12 – 18 euro pallets (7 200 – 10 800 kg) / process
Area of activity	-20 °C (-18 °C) ... -2 °C, Products in E2 boxes, trolley 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

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 in 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 motors
Control system	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