



FINNCOLD THAWING PROCESS FC-MTS-6

Product number **1101012006**

TECHNICAL INFORMATION	
Size	4460 x 2800 x 3100
Capacity	3 – 6 euro pallets or 1.800 – 3.600 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..
Thawing time	Varies by product / by packaging, indicative times: -20 °C...- 2 °C 8 - 12 h -20 °C...+ 2 °C 12 - 18 h
INTERFACE DATA	
Electric 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 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, heating power 45 kW
Air circulation	Air recirculation with EC-fans (3 pcs)
Air flow guide	Rising and lowering with a spindle motor.
PLC control	The control logic KOMETOS / Omron. 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 3.000 kg