

DALMAR IMPIANTI



THERMOREGULATION UNIT 79

PRODUCT DESCRIPTION

Thermoregulation unit 79 SFO/M

Compact unit for the automatic temperature control of reciprocating distributor rollers of the machine Super Orlof Intaglio 5 colours.

The temperature is controlled by water circulation in eight independent closed circuits, i.e.:

- Roller duct 1
- Roller duct 2
- Roller duct 3
- Roller duct 4
- Roller duct 5
- Chablon rollers
- Collecting ink cylinder
- Plate cylinder
- Wiping cylinder

The unit consists of a metal cabinet containing:

- Water reservoir, capacity 350 l approx.
- Automatic filling valve, safety valve and expansion vessel
- Heat exchanger for cooling in open circuit using water not exceeding 16°C (see remarks)
- Recycle pump between the tank and the heat exchanger for cooling
- 9 thermoregulating modules, each consisting of:
 - circulating pump
 - 3-way motorised valve
 - thermocouple
 - electric heater
 - flow indicator
 - air bleeder
- Electric control cabinet equipped with PLC type ABB-AC31 suitable for the Arcnet communication with the console of the printing machine in case of remote installation of the unit.
- Frontal panel equipped with Touch Screen for the control of the operation

The supply includes:

- Set of flexible hoses for connecting the printing machine (distance max.: 50 m)
- 70 kg of anticorrosive liquid to be introduced in the water reservoir
- Set of commissioning spare parts

PRODUCT DESCRIPTION

Technical data

Temperature of water in the circulating circuits	adjustable from 20° ÷ 90°C
Cold water requirement	max. 4000 l/h
Cold water pressure	> 2 bar
Loss of head inside the heat exchanger	100 kPa
Electrical feeding	3-phase AC 65 kW, approx.
Approx. weight in running condition	2200 kg, approx.

Remarks

- In case the temperature of the available tap water exceeds 16°C, the unit should be connected with a centralized chilled water system, if available. If not, the unit is to be connected to a separate water chiller unit, air condensed, type CDR/EU 30.
- The unit is designed to work in conjunction with our Aqua Save II system and therefore does not contain either a reservoir or temperature control system for the wiping solution. If, for operational needs, different wiping solution temperatures are required for different printing machines then an auxiliary wiping solution tank (IT-2102) is required.
- If the Aqua Save is located more than 50 m away from the machine, or if the heat loss due to the installation is too important, an auxiliary tank (IT-2102) is to be foreseen in order to maintain the solution at the correct temperature.