

*DIE TEMPERATURE CONTROLLERS
SERIES PRESSURIZED WATER*

CLIMAT PF-NH 160

Pressurized water 160 °C





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The industrial thermoregulators **Climat PF-NH**, single and double zone, are electro-hydraulic apparatuses particularly suited for heating, cooling and maintenance of the desired working temperature for molds, containers or cylinders using pressurized water propelled into the conditioning ducts. These are made up of modular components which facilitate maintenance and use. The resistors are sealed to avoid even the minimum water loss, they are immersed into the fluid and are placed along the hydraulic circuit. The maximum temperature allowed is 160°C, while the minimum one is set by the parameters (pressure, flow and temperature) of the main water connected to the thermoregulator. The components of the circuit, entirely made of stainless steel AISI 316 and the innovative pressurized water system, both contributed to solve the problems related to corrosion and lime formation. The thermoregulator combines the above mentioned characteristics and an efficient size which both facilitate the use for the thermoegulation of small and medium size molds.

Machine code	CCPN003
Max temperature °C	160
Min temperature °C	T°C main water <i>(As function of)</i> Exchanger <i>(As function of)</i>
Fluid thermal circuit type	Pressurized water
Thermal regulation zone	1-2
Operation of the system	Pressure, automatic vent solenoid valve
Expansion vase	INOX 8 litres per membrane
Heating type	Immersed electric resistor
Heating power kW	12
Cooling system	Exchanger FCX3016 INOX
Cooling power	72 (Water 160 °C - Cooling water 25 °C - 25 l/m)
Circulation pump kW	SP1-A, magnetic dragging
Charcteristics of the pump	60 lt/min 6 bar - 1,1 kW
Pressurization pump	Independent loading pump TP80 - 40 lt/min 8 bar
Electronic instrumentation	PLC IECI TD240 / TD700
Pressure control system	Digital
Frame	T4 / T1-50
Dimension mm	440x850x800(h) - 500x1550x1550(h)
Weight (Kg)	170

OPTIONS AVAILABLE

Increased in heating power

Increased in cooling power

More powerful electric pump

Cooling system with 3-way anti-calc device

External distributor with stainless steel multi-channel taps

Inverter Adaptive System

Motorized water inlet valve

Die interface, various protocol, profibus, ethernet, profinet, datanet, device-net, etc.

Flexible hoses or fixed plants for connection to the die, tailored

Other optional features are available.