



# CLIMAT PF - N

## Diathermic Oil Up to 350 °C

The advantages of the use of diathermic oil are connected to the possibility of reaching high temperatures safely. The IECI temperature controllers are structured to support such operation continuously. The technical features include magnetic drive pumps without the possibility of leakages of the fluid, and the heating elements are controlled by a PID system. Cooling systems can be managed with a proportional valve.

The combination of these features ensures compliance with chemical-physical characteristics of the oil, allowing a long life and an effective performance over time.

<b>Machine Code</b>	CCPDO19 / CCPDO14 / CCPDO21 / PFO330 / CCPDO25
<b>Maximum temperature</b>	200° - 250° - 300° - 330° - 350°C
<b>Electronic controller device</b>	PLC TD700, Win CE, display 7" touch screen, 65.000 colours, Movicon / TD240 3,5"
<b>Fluid type of heat transfer loop</b>	Diathermic Oil
<b>Thermoregulating zones</b>	1-2, completely independent
<b>Operating system</b>	pressure / vacuum
<b>Heating type</b>	Electrical resistors, immersed and sealed
<b>Heating power kW</b>	From 12 to 72
<b>Cooling type</b>	Indirect exchange
<b>Heat exchanger</b>	Copper serpentine, model FCX3016;
<b>Cooling power kW</b>	From 72 to 320 kW
<b>Circulation pump</b>	Electropump, magnetic drive
<b>Characteristics of the pump</b>	From 60 to 200 l/min - from 6 to 9 bar
<b>Load of fluid inside the loop</b>	Manual
<b>Power supply</b>	400 V+PE, auxiliary 24 VAC
<b>Hydraulic supply</b>	Fittings ½"
<b>Die connection</b>	Fittings 1"
<b>Tank</b>	Glazed steel, capacity 60 l
<b>Electronic instrumentation</b>	Digital controller of temperature or PLC systems
<b>Frame</b>	T3 - T1 - T60, with swivel wheels
<b>Frame and dimensions (L x W x H) mm</b>	500x1000x1000h - 500x1250x1230h 600x1250x1390h
<b>Weight (kg)</b>	from 190 to 450

### OPTIONS AVAILABLES

Heating power increased up to 72 kW

Cooling power increased up to 320 kW with braze-welded exchanger

Different pump size up to 200 l/min, 9 bar

Cooling system with 3-way anti-scale system

Multichannel manifold for external distribution, stainless steel

Warning light and alarm of temperature set-point range

Warning light and alarm of temperature delivery/return range

Water inlet motorized valve

Interface of the press with various protocols, Profibus, Ethernet, Profinet, etc ...

Cabling system with PLC SIEMENS S7 1200

Hoses or fixed plants for the connection to the mould, tailored

*Other optional features are available.*