



# CLIMAT PF-RH 160-5

Water 160 °C, with refrigeration to 5 °C

The industrial thermal regulator Climat series **PF-RH 160-5**, single zone, is an electro-hydraulic apparatus particularly suitable for heating and cooling the die with “problematic” canals, up to very low temperatures (5°C with the refrigerator circuit) using water at very high thermic change capacity, These are made up of modular components which facilitate maintenance and use, The machine with its small dimensions, allows you to work up to a maximum temperature of 160°C, with the assistance of a supplementary multitasking pump that manages not only the pressurization, but also direct/indirect cooling and coolant gas condensation. In compliance with ecology regulations, the gas used is either R407C or R410A. The complete running of the logical functions is performed by an innovative PLC of simple and intuitive use.

<b>Machine code</b>	CCPD034
<b>Max temperature °C</b>	160
<b>Min temperature °C</b>	5 °C with refrigerator
<b>Fluid thermal circuit type</b>	Pressurized water
<b>Thermal regulation zone</b>	1
<b>Operation of the system</b>	Pressure with automatic vent
<b>Expansion vase</b>	INOX 8 litres membrane
<b>Heating type</b>	Immersed electric resistor
<b>Potenza di riscaldamento kW</b>	12
<b>Power selector 1-1/2</b>	Optional
<b>Cooling system</b>	- From 160 to 70°C Indirect (45 kW with pressurized water 160°C, cooling water 25°C, 25 l/ min) - From 70 to 40°C Direct - From 40 to 5°C Refrigerator 14kW
<b>Circulation pump</b>	SP1-A, magnetic dragging
<b>Characteristics of the pump</b>	60 lt/min 6 bar - 1.1 kW
<b>Pressurization pump</b>	Independent loading pump TP80 40 lt/min 9 bar
<b>Electronic instrumentation</b>	PLC TD240
<b>Pressure control system</b>	Digital
<b>Frame</b>	T4
<b>Dimension (laxluxh) mm</b>	440x850x800
<b>Weight (Kg)</b>	190

## 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

Checking system of the set temp between the values of the range, with acoustic and visual alarm.

Control system of the delta temperature of delivery and return

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.*