



# CLIMAT PF - GH

## Pressurized water 180 °C - 200 °C



The single zone series PF-GH, an absolute innovation in the die-casting sector, is a mobile Electro-hydraulic device designed to control mould temperature through the use of PRESSURIZED WATER thrust in conditioning channels. The exceptional uniqueness is represented by coupling between the use of water as a heat transfer fluid, and the use of methane gas as power supply to the heating system. Components and whole circuit are made of AISI 316 rust-proof stainless steel, and the innovative water pressurization system prevent any corrosion problems and limestone formation. The maximum temperature that heat transfer water can reach is 180 - 200 °C, whilst the minimum is determined by the parameters (pressure, flow rate and temperature) of the network water connected to the thermoregulator.

<b>Zone number</b>	1
<b>Code</b>	CCPG006
<b>Frame</b>	T1 500x1300x1230 (h)
<b>Weight</b>	235 Kg
<b>Maximum temperature</b>	180°C – 200°C
<b>Maximum circuit pressure</b>	15 – 18 bar
<b>Pressurization electric pump</b>	Periphery with mechanical seal
<b>Features</b>	40 l/min / from 17 to 20 bar
<b>Circulation electric pump</b>	Peripheral with magnetic drive
<b>Features</b>	From 60 to 200 l/min / from 6 to 9 bar
<b>Expansion tank</b>	Air bearing without membrane
<b>Circuit fluid</b>	Water (average hardness =< 10° F)
<b>Heating system</b>	METHANE GAS OR L.P.G
<b>Heating power</b>	Burner 32 Kw
<b>Cooling system</b>	Indirect
<b>Cooling power</b>	From 50 to 200 Kw
<b>Fluid load in the circuit</b>	Automatic
<b>Pressure purge system</b>	Pneumatic valve 1/2"
<b>Electric power supply</b>	400 V+PE, auxiliary 24 VAC
<b>Hydraulic power supply</b>	Connection ½"
<b>Moulds connection</b>	Connection 1"
<b>Tank</b>	On demand
<b>Electronic instrumentation</b>	Digital or PLC systems temperature and pressure adjuster

OPTIONS AVAILABLE
Increase heating power
Increase cooling power
Oversize electric pump
Cooling system with three way anti-limestone device
External distribution block with stainless steel faucets and fittings for several waterways
Light and acoustic indicator for set temperature range
Light and acoustic indicator for outlet / return temperature range
Return temperature display
Water entry motor driven valve
Wiring system to PLC
Die interface, various protocols, profibus, ethernet, profinet, etc...
Flexible tubes or fixed system for customized mould connection

*Other optional features are available.*