



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.

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