

Technical data

Model		Gc Mini	TG1 400	TG1 600
Fluid		Pressurized tap water		
Maximum temperature	°C	180	180	180
Heating power	kW	18	36	54
Cooling power	kW	70	105	105
Pump power	kW	2,2	2,2	2,2
Maximum pump flow rate	l/min	90	200	200
Maximum pump pressure	bar	8	3,8	3,8
Dimensions (LxPxH)	mm	400x920x890	660x1110x1470	660x1110x1470
Empty weight	kg	110	240	240

The future of die casting

HPDC by Gefond manufactures multi-circuit water cooling and temperature control systems for industrial applications. Based on Greenbox technology, HPDC by Gefond, develops a **complete line of machines dedicated to light alloy foundries.**

HPDC by Gefond offers innovative and reliable, sustainable and integrated 4.0 solutions for the die-casting, low pressure and gravity industries. Greencasting is the ideal technology to be **combined with minimal lubrication and the production of structural castings.**



The new frontier of thermoregulation in die casting process



Greencasting Mini: the concentrated power

GreenCasting temperature control units represent:



Sustainability - thanks to patented energy saving technology that saves up to 80% of electricity compared to conventional control units.



Digitalisation - thanks to the possibility of integrating Perpetuo, the first software for predictive maintenance in foundries.

pressurized
water
at 180°C

Minimum energy consumption
less than 2.35kW
of consumption
in the cooling phase

High temperature
operating temperature
up to 180°C

Multi-circuit
5 independent
mould temperature
control zones

**Easy
configuration
and use**

**Industry 4.0
Predictive
maintenance**
www.gefond.it/perpetuo



Greencasting is INNOVATION

- Innovative cooling system
- Highest operating flexibility
- Multichannel with 1 pump
- Extremely easy to install
- Maximum working temperature 180°C
- Immediate switching of heating/cooling phases
- Flow tests

Greencasting is SAVING

- Lowest power consumption
- Fewer control units for cell
- Minimum air consumption
- Minimal heat dispersion
- Connection pipes reduced to a minimum
- No compressed air in the pipes

Example of installation with 5-zone manifold

