



Greencasting Mini

The future of die-casting

The new range of innovatory temperature control units of the Greencasting series gives Green Box a leading role in the world of the aluminium die-casting, now also for **small/medium size machines and moulds**.

The complete control of the temperature of the die-casting moulds is granted by the innovative design of the new Greencasting series.

The completely new cooling system (patented) reduces to minimum the electrical energy consumption.

The process is completely controlled by a PLC.

Greencasting is innovation

- New concept of cooling system
- Extremely high operating flexibility
- Extremely simple installation
- Max operating temperature 180°C
- Immediate commutation between heating and cooling phase and viceversa
- Absolutely lowest electrical energy consumption

Main features

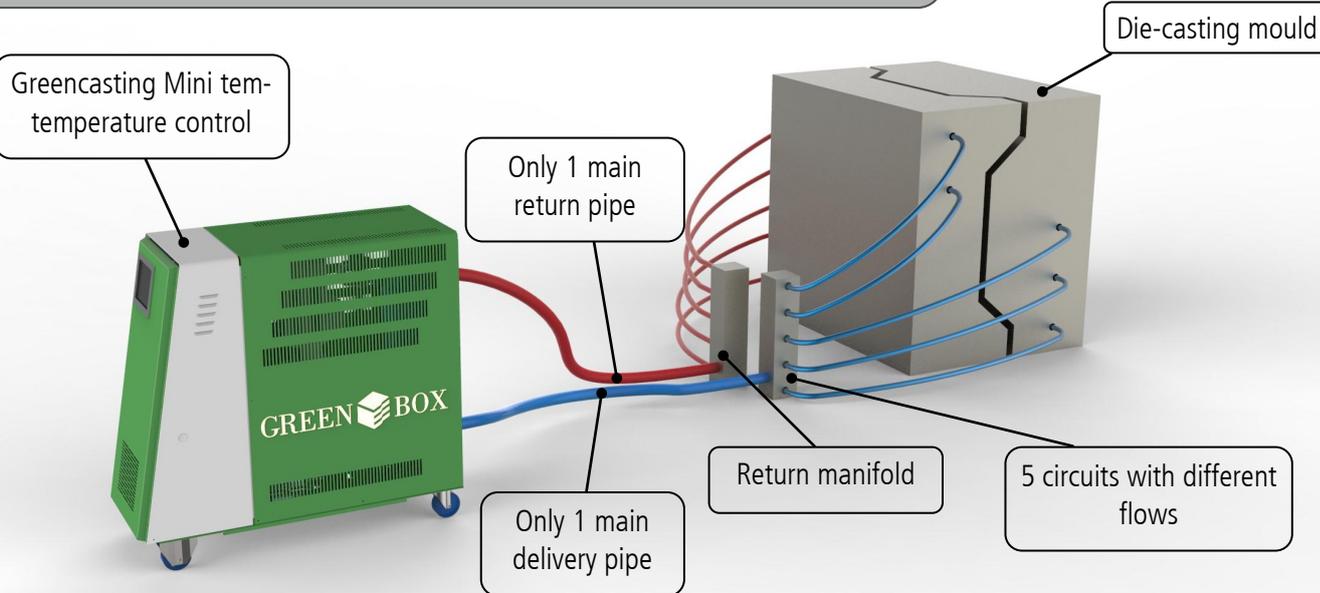
- Programmable PLC with 7" touchscreen
- New device for the control of the water flow of each way
- 5 way remote distribution manifold

Advantages

- **Minimum electrical consumption:** less than 2.35 kW of electrical energy in the cooling phase
- Operating fluid: **water**. Suggested hardness lower than 10°F
- Max operating temperature **180°C**
- Negligible use of compressed air (No compressed air in the piping system)
- **Multizone unit:** independent zones of control of the mould temperatures
- **Compact size**



Example of installation of 5 zones distribution manifolds



Technical specifications

Model		GC MINI	
Medium		water	
Max/Min temperature		°C	8 / 180
Heating power		kW	18
Cooling capacity*		kW	70
Pump		kW	2,2
Pump power		l/min	10 - 90
Pressure pump		bar	8,0 - 1,0
Connections		3/4"	
Dimensions	Lenght	mm	400
	Width	mm	920
	Height	mm	890
Net weight		kg	110

*with peocess water of 60°C and cooling water of 20°C

PATENTED