

GREENSHELL by GEFOND

The new frontier
of thermoregulation
in gravity and low pressure



GEFOND

FOR A LONG LIFE INDUSTRY

Greenshell: process optimisation and cooling power

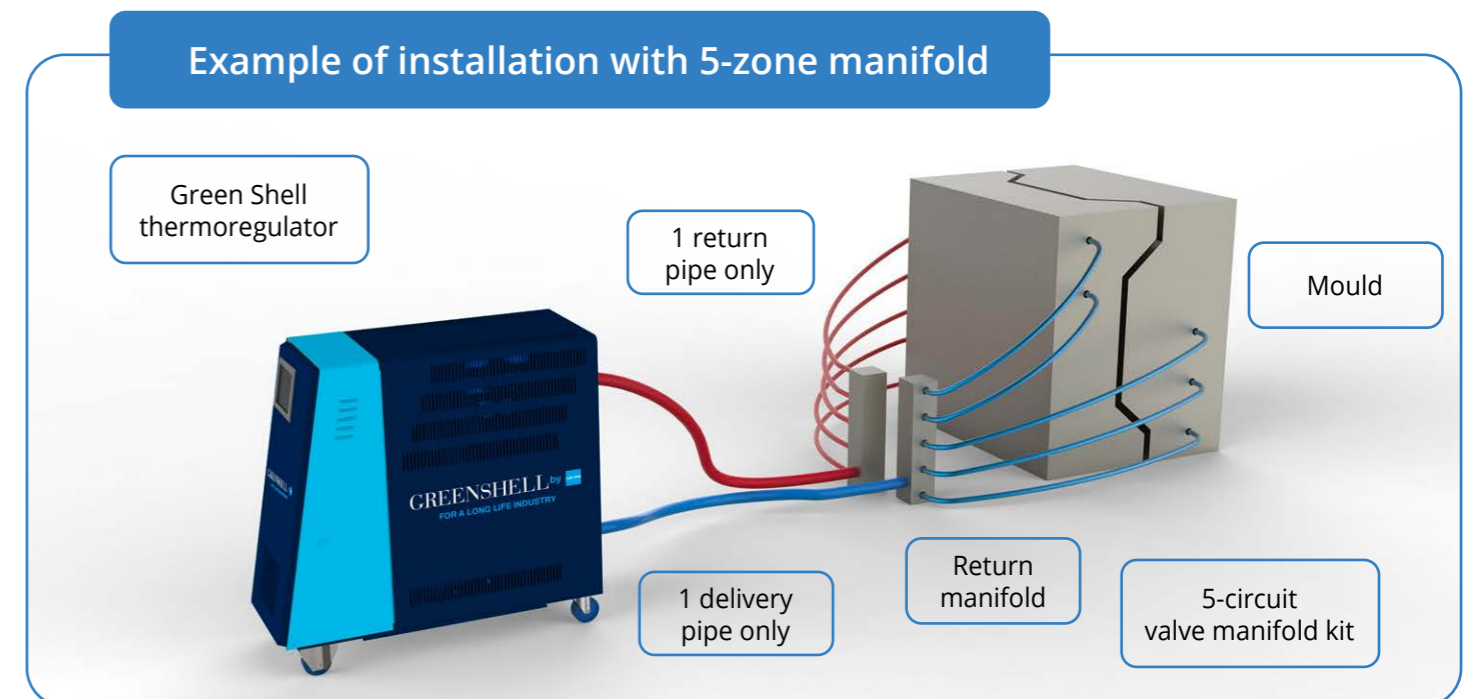
The Green Shell temperature controller is the ideal solution for mould cooling in low-pressure/shell-casting applications, operating with water at a flow temperature of up to 90°C. The high flow rate ensures adequate cooling even in moulds with temperatures of 400° - 500°C. The pump has a flow rate of 160 litres/minute.

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The Greenshell temperature controller has PLC control and press interface via digital inputs. The PLC complete with touch screen allows data setting, recipes, temperature and pressure readings.

The temperature controller is equipped with a 5-way distributor controlled by pneumatic valves. The distributor must be installed on board the mould, in order to have a single delivery pipe between the thermoregulator and the manifold and smaller diameter pipes between the manifold and the mould.



Main features

- Circuit made of non-ferrous material
- Stainless steel pump
- Stainless steel tank
- Stainless steel brazed plate heat exchanger
- Communication protocol CanBus, ModBus
- Remote alarm output on press
- Double test for checking mould circuits
- Mould emptying at end of production

Technical data

Model		GREENSHELL	
Fluid		Water	
Temperature min/max		°C	8/90
Cooling capacity		kW	100
Pump		kW	1,5
Total flow rate		l/min	50 - 160
Pressure		bar	3,7 - 2,8
Inlet connections		1 x 1"	
Outlet connections		5 x 3/8"	
Dimensions	Lenght	mm	400
	Width	mm	920
	Height	mm	890
Empty weight		kg	90

KIT MANIFOLD WAYS 5



The future in shell and low pressure

HPDC by Gefond manufactures water-based and multi-circuit cooling and for industrial applications. Based on Greencasting 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.