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.

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GREENSHELL by GEFOND

The new frontier of thermoregulation in gravity and low pressure

FOR A LONG LIFE INDUSTRY

Greenshell: temperature control units for low pressure and gravity

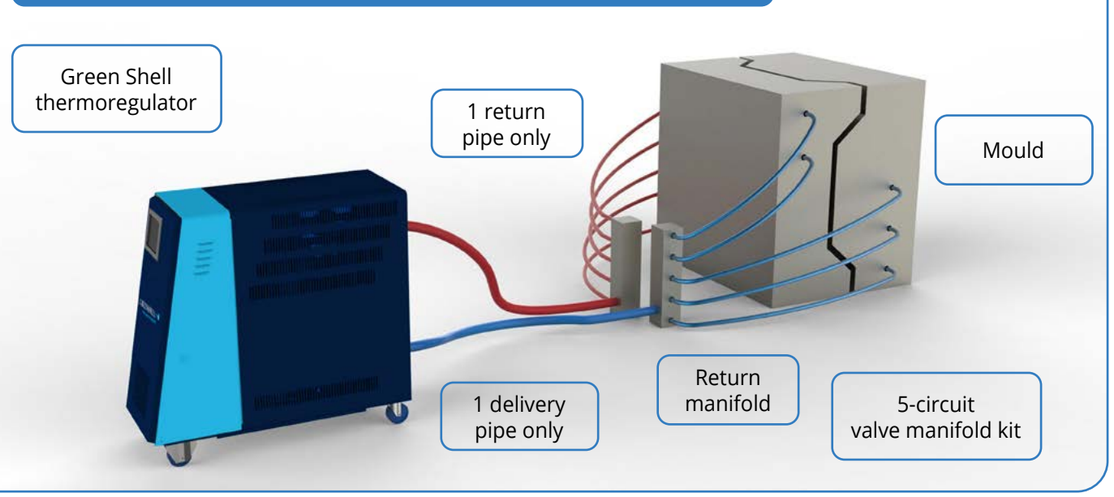
The **Green Shell** temperature controller is **the ideal solution for mould cooling in low-pressure/shell-casting applications**, operating with water at a flow temperature of up to 90°C.

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.

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.

Example of installation with 5-zone manifold



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