



Green Shell

The Green Shell temperature control unit is the ideal solution for the mould cooling in the low pressure/ shell casting applications.

The Green Shell is a water unit with maximum operating temperature of 90°C.

The high flow grants a good cooling effect also in moulds having temperature of 400° - 500°C. The pump flow is of 160 litres/minute.

The mould temperature unit is controlled by PLC and the interface with the press is made through digital inlets. The PLC is supplied with Touch Screen display.

It is possible to set the temperature, to store receipts, to read temperatures and pressures.

The unit is supplied with 5 ways manifold, controlled by pneumatic valves.

The manifold must be installed as close as possible to the mould, so that there is one only main delivery pipe between Green Shell and manifold and short hoses with small diameters between manifold and mould.

The Green Shell includes:

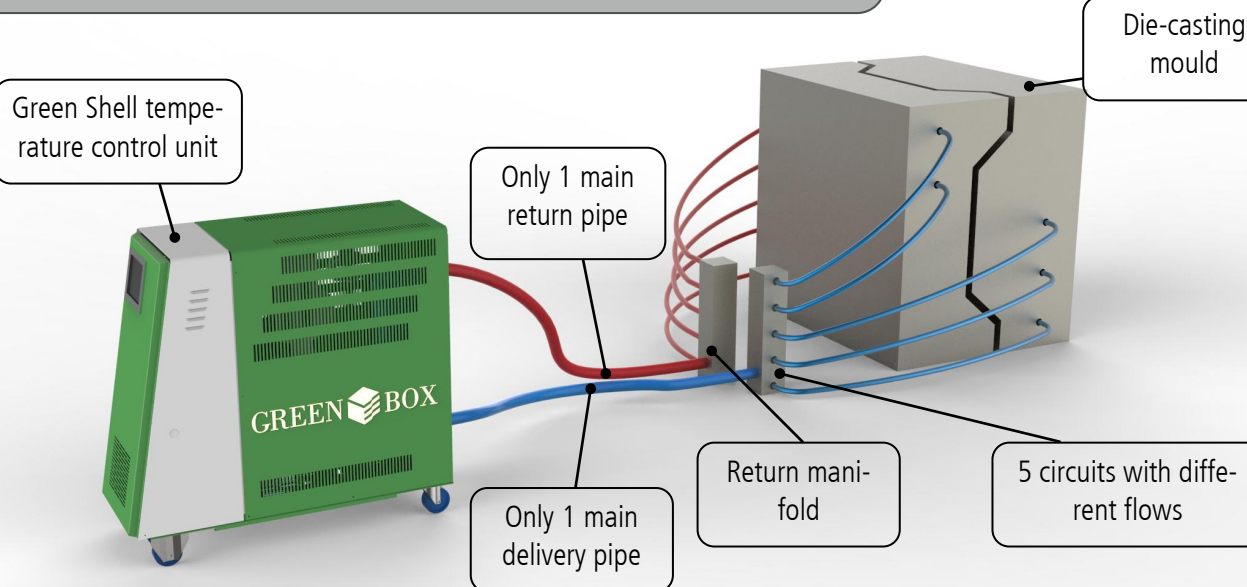
- Flow test to check each way to the mould
- Pressurizing test to verify if there is any water loss
- Mould emptying at the end of the production

Main specification

- Water circuit in non-ferrous material
- Stainless steel pump
- Stainless steel tank
- Stainless steel brazed-plate heat exchanger
- Communication protocol available: CanBus, ModBus
- Alarm signal linkable to the press
- Double test for the control of the water circuits in the mould
- Mould emptying at the end of the production



Example of installation of 5-way manifold



Technical specifications

Model	GREEN SHELL	
Medium		water
Max temperature	°C	90
Cooling capacity*	kW	100
Pump	kW	1,5
Pump power	l/min	50 - 160
Pressure pump	bar	3,7 - 2,8
Connections		1 x 1"
Manifold connections		5 x 3/8"
Dimensions	Lenght	mm 400
	Width	mm 920
	Height	mm 890
Net weight	kg	90

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

5-way manifold kit



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