



The new frontier  
of thermoregulation  
in die casting process

GEFOND

FOR A LONG LIFE INDUSTRY

The **Green Jet** temperature controller uses high-pressure water jets (max 35 bar) to cool circuits with high pressure losses in the mould, such as plugs and microchannels.

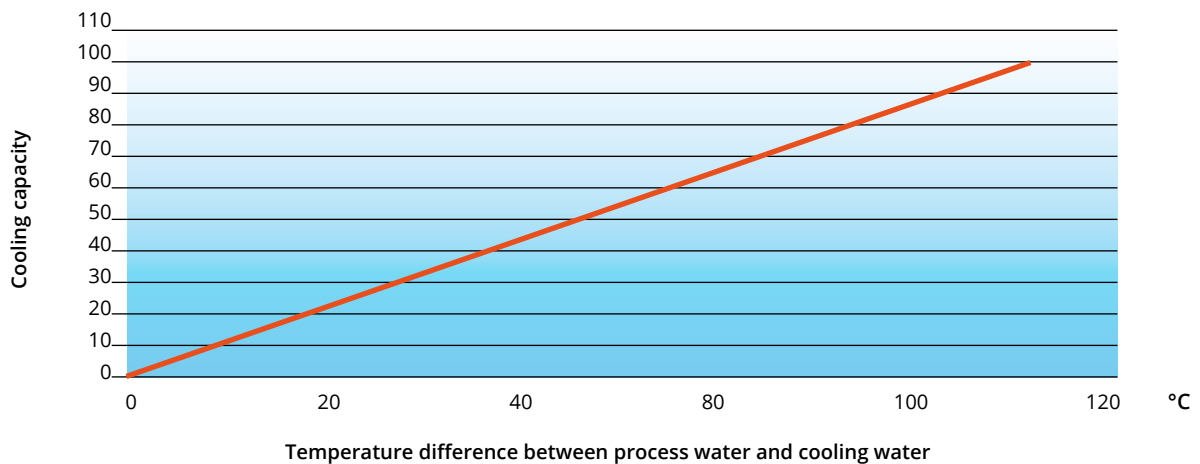
The machine features **4 independent outlets** for greater flexibility and cooling precision.

## Main features

- Single-circuit high-pressure water unit (35 bar)
- Inlet/outlet pressure transducer (display value)
- Unit inlet/outlet temperature sensor (display value)
- Cooling capacity max 90 kW
- PLC programmable
- Operation with mains water: no softened water required
- 4 independent outlets
- Double filtering system (5 micron + 1 micron)

## Technical data

Model		GREEN JET	
Cooling power		KW	90
		kCal/h	77.400
Minimum output temperature		°C	60
Maximum output temperature		°C	120
Pump		KW	4
Total flow rate		l/min	21
Pressure		bar	35
Inlet water connections		n.	4 x 1/4"
Outlet water connections			1/2
Compressed air pressure min - max		bar	3,7
Air connections			1/4 gas
Dimensions	Lenght	mm	400
	Width	mm	930
	Height	mm	890
Empty weight		kg	90
Total installed power		kW	4,5
Power supply		V/ph/Hz	400/3/50



## The future of die casting

HPDC by Gefond manufactures multi-circuit water cooling and temperature control systems 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. Greencasting is the ideal technology to be **combined with minimal lubrication and the production of structural castings**.



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