



AIF S.L.

AUTOMATION IN FOUNDRIES



**MOULD WATER COOLING
CONTROL PANEL**

MouldTemp

MOULD WATER COOLING CONTROL PANEL

Mouldtemps allows to control both flow and temperature of several circuits meeting the customer's needs.

Mouldtemp has up to 15 cooling circuits.



The management of each circuit will be or is performed through a **hmi touchscreen** where we can set different both flow and/or temperature warnings and /or alarms. The set point entered by the user allows the **system to warn** if the circuit value is beyond the work-range required.

Mouldtemp enables the foundry process to be more stable as well as to achieve a **higher part finishing quality** and a **longer mould lifetime**.

AVIABLE VERSION:

MOULDTEMP SENS

Flow and temperature supervision

- Analogical flow meters with level display.
- Digital flow meters with display.
- 7 " color hmi touchscreen.
- Communication possibility trough profinet, etc.

MOULDTEMP CNT

Supervision y control de caudal de cada circuito de manera automática

- Analogical flow meters with level display.
- Digital flow meters with this plate.
- **Proportional valves.**
- 7 " color hmi touchscreen.
- Communication possibility trough profinet, etc.

Characteristics of the flow meters:

- Measured range max: 0-50 l/min
- Response time: <150ms
- Accuracy: 0.01
- Viscosity: <70mm² / s at 40°C
- Conductivity: >20uS/cm
- Temperature Control



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Rambla Països Catalans, 18 Nave 45
08800 - Vilanova i la Geltrú - Barcelona
info@aifsl.es