

# TEMPERATURE CONTROL UNITS

FOR PRECISION TEMPERATURE CONTROL UP TO 95°C

## Water TCUs - developed specifically for the plastics industry

- Fixed configuration
- Excellent price/value ratio
- Short lead times
- Intuitive operation



Technical features	TCU-TW95D03	TCU_EW95D09
Process fluid	Water	Water
Heat exchange	Direct	Direct
Maximum temperature	95°C	95°C
Heating power	3 kW	9 kW
Heaters - quantity / steps	1 / 1	1 / 1
Nominal flow rate	30 l/min	50 l/min
Pump pressure	max. 2,2 bar	max. 2,2 bar
Pressure gauge for monitoring	-	•
PLC with alphanumeric LED display	•	•
Electrical panel protection	IP20	IP20
Digital contacts for remote ON/OFF, unit run status and general alarm	-	•
Continuous monitoring and leak prevention with filling / low level / high load alarms	-	•
Adjustable high temperature alarm	-	•
5 meters power supply cable	•	•
Heater control	Contactors	Contactors
Temperature control	Setpoint	Setpoint & PID
Supply voltage	230 V / 50 Hz	380-400-415 V / 50 Hz
<b>SALES PRICE</b>	<b>1.800 €</b>	<b>2.450 €</b>

For more advanced and configurable TCUs please contact your DME representative.



# TEMPERATURE CONTROL UNITS

FOR PRECISION TEMPERATURE CONTROL UP TO 320°C

## Water TCU's - developed specifically for the plastic industry

- **TCU-WA type** (A for Atmospheric pressure) for:
  - temperatures up to 95°C
  - direct or indirect thermal exchange
- **TCU-WP type** with pressurized water for:
  - temperatures up to 180°C
  - indirect thermal exchange
- Heating capacities from 3 to 27 kW
- Low-pressure pumps with the flow rate from 30 to 150 l/min
- Two "plug & play" entry models with express dispatching also available



## Diathermic Oil TCU's suitable for die-casting applications

- OIL type is suitable for operations at a maximum temperature of 320°C
- With one or more zones
- Heating capacities from 6 to 36kW
- Low-pressure pumps with the flow rate from 50 to 200 l/min

## Technical features

- High-precision solenoid valve at the output for exact temperature regulation
- Monobloc centrifugal pump with a wide operating range
- Armored heating element with a low load density
- Solid-state relays providing heating with high temperature precision even after a large number of switching cycles, with high long-term reliability.
- User friendly PLC controller with 3,5" touchscreen
- Pressurizing water pump for the WP models ensuring the liquid form of the medium (water) at the temperatures >100°C