

t-max

TEMPERATURE
CONTROL UNITS

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Temperature Control Units

TM-W

The TM-W series of water heater are used to heat up the mould and maintain this temperature. Besides, they can also be used in other similar applications. High temperature water from the mould is cooled by direct cooling and then sent to the pipe heaters via high-pressure pump for heating to a constant temperature. With our optimised design, water can reach a maximum 120 C. Equipped and the accurate PID multi-stage temperature control system can maintain an accuracy of +/- 1C.

FEATURES:

- » PID multi-stage temperature control system can maintain a mould temperature with accuracy +/- 1 C
- » Multiple safety devices can automatically detect performance and indicate this via visible alarm.
- » Accurate temperature control achieved by direct cooling and quick heat transfer by automatic water supply facility.
- » Inner parts made from stainless steel to ensure corrosion-free operation.
- » Attractive appearance, easy to Access and maintain.

- » Applicable scope:
- » Heaters are used to heat up the mould and maintain this temperature. Beside they can also be used in other similar applications.
- » System Flowfor TM-W (indirect cooling)
- » High temperature water returns to the machine and then be pressured by pump to the pump to the heaters, After being heated, water will be forced to mould and continue the circle. In the process, if the temperature is too high, the system will activate the solenoid valve to let cooling water cool down the temp directly until the water is down to the system requirement. If the temp. Keep increasing and reach to the set point of EGO, system will alarm and stop operation.



Model	Maximum Heat	Form of Cooling	Heater Power (kW)	Pump Power (kW)	Maximum Pump Flow (L/dak.)	Maximum Pump Pressure (bar)	Connection Dimensions (inch)	Device Dimensions (HxWxD) (mm)	Weight
TM-W 610W	Water 120°C	Direct	6	0.55	30	4.5	3/8"(2x2)	680x295x835	60
TM-W 920W			9	0.75	45	6.0	3/8"(2x2)	680x295x850	65
TM-W 1240W			12	1.5	90	5.5	3/8"(4x2)	880x350x900	85
TM-W 2480W			24	3	160	5.5	1"(1x2)	950x400x980	135
TM-W 610W-D			6x2	0.55x2	30x2	4.5	3/8"(4x2)	680x590x850	100
TM-W 920W-D			9x2	0.75x2	45x2	6.0	3/8"(4x2)	680x590x850	110
TM-W 1240W-D			12x2	1.5x2	90x2	5.5	1"(2x2)	880x700x900	145
TM-W 610W	Oil 200°C	Indirect	6	0.55	30	4.5	3/8"(2x2)	680x295x850	64
TM-W 920W			9	0.75	45	6.0	3/8"(2x2)	680x295x850	69
TM-W 1240W			12	1.5	90	5.5	3/8"(4x2)	680x350x900	90
TM-W 2480W			24	3	160	5.5	1"(1x2)	950x400x980	145
TM-W 610W-D			6x2	0.55x2	30x2	4.5	3/8"(4x2)	680x590x850	110
TM-W 920W-D			9x2	0.75x2	45x2	6.0	3/8"(4x2)	680x590x850	120
TM-W 1240W-D			12x2	1.5x2	90x2	5.5	1"(2x2)	880x700x900	155

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