WTE10

TRYMAX Mould Temperature Controller

●Capacity

Power		3-phase,200V,60Hz	3-phase,220V,60Hz	3-phase,200V,50Hz
Temperature range *1		Supplied water temperature + 10 to 90 °C		
Temperature control accuracy *1		Preset temperature ± 1 °C		
Pump	Electric capacity	0.43 kW		0.25 kW
Flow capacity		1.2 m ³ /h at a head of 34 m		1.2 m ³ /h at a head of 24 m
Heater	Electric capacity	2.48 kW	3.00 kW	2.48 kW
Cooling capacity *2		9.42 kW (33.9 MJ/h)		

Standard specifications

Tank material Tank capacity Method Setting / Display Control method Sensor *3	Clean water (soft water) Mechanical seal type FC200 + Electroless nickel plating 1 L Direct cooling by direct supply of clean w Digital setting / Digital display PID control for heating/cooling	rater		
Tank capacity Method Setting / Display Control method Sensor *3	FC200 + Electroless nickel plating 1 L Direct cooling by direct supply of clean w Digital setting / Digital display PID control for heating/cooling	ater		
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Setting / Display Control method Sensor *3	Digital setting / Digital display PID control for heating/cooling	rater		
Control method Sensor *3	PID control for heating/cooling			
Sensor *3				
	Th (1)			
	Thermocouple (J)			
ner *4	Subtractive timer, 00 h:01 m-99 h:59 m			
Cooling water supply port *5	Hose nipple, ϕ 10.5 mm			
Cooling water drain port *5	Hose nipple, ϕ 10.5 mm			
Medium feed port *5	Hose nipple, ϕ 10.5 mm: 2 pieces			
Medium return port *5	Hose nipple, ϕ 10.5 mm: 2 pieces			
Error contents	Safety device	Error notification mode		
Earth leakage	Earth leakage circuit breaker	Power OFF		
Overload	(with overload protector)			
Reversed phase	Reverse phase protection relay	Alarm lamp + Buzzer + Operation stop		
Overheat	Overheat protector	Alarm lamp + Buzzer + Operation stop		
Level low	Level switch	Alarm lamp + Buzzer + Operation stop		
Pump overload	Overload relay	Alarm lamp + Buzzer + Operation stop		
Maximum temperature	Control panel (with standby function)	Alarm lamp + Buzzer		
Minimum temperature	Control panel (with standby function)	Alarm lamp + Buzzer		
Sensor breaking	Control panel	Alarm lamp + Buzzer + Operation stop		
Heatup error	Control panel	Alarm lamp + Buzzer + Operation stop		
Power failure *4	Control panel	Timer lamp blinking + Buzzer + Operation stop		
lour *6	A45-90A (Gloss)			
Level low Pump overload Maximum temperature Minimum temperature Sensor breaking Heatup error	Level switch Overload relay Control panel (with standby function) Control panel (with standby function) Control panel Control panel	Alarm lamp + Buzzer + Operation stop Alarm lamp + Buzzer + Operation stop Alarm lamp + Buzzer Alarm lamp + Buzzer Alarm lamp + Buzzer + Operation stop Alarm lamp + Buzzer + Operation stop		
	Cooling water drain port *5 Medium feed port *5 Medium return port *5 Error contents Earth leakage Overload Reversed phase Overheat Level low Pump overload Maximum temperature Minimum temperature Sensor breaking Heatup error Power failure *4	Cooling water supply port *5 Hose nipple, ϕ 10.5 mm Cooling water drain port *5 Hose nipple, ϕ 10.5 mm Medium feed port *5 Hose nipple, ϕ 10.5 mm: 2 pieces Medium return port *5 Hose nipple, ϕ 10.5 mm: 2 pieces Error contents Earth leakage Coverload Earth leakage Coverload Reversed phase Coverheat Coverheat Coverheat Coverload Coverheat Coverload Coverload		

^{*3} The sensor type may be changed according to the customer's request.

• Accessories *7

Power cord	5 m
Circulation line hose	ϕ 9.5 mm, 3 m long, heat-resisting hose: 4 pieces
Hose band	Hose band for ϕ 9.5 mm hose: 8 pieces

^{*7} The type, size or quantity of the accessories may be changed according to the customer's request.

Utilities

Power	3-phase,200V,60Hz	3-phase,220V,60Hz	3-phase,200V,50Hz	
Electric capacity	2.91 kW	3.43 kW	2.73 kW	
Rated current	9.2 A	9.7 A	8.8 A	
Circuit breaker capacity	15 A			
Air	Not required			
Cooling water	0.6 m ³ /h			
External dimensions *8	250 × 453 × 590 mm (W×D×H)			
Weight *9	44 kg			

^{*8} Pipes to the machine are not included.



^{*1} The temperature of medium is measured by us with a temperature indicator controller used during no-load operation.
*2 This capacity is achievable when the machine is fed with cooling water of which the temperature is lower than that of the medium by 45 °C and run in the state that the pressure difference between the water supply side and the water drain side is 0.2 MPa.

^{*4} If power failure occurs after the (subtractive) start timer has been set, the timer start is disabled even if the power supply is restored, to prevent accident.

^{*5} The connector type may be changed according to the customer's request.

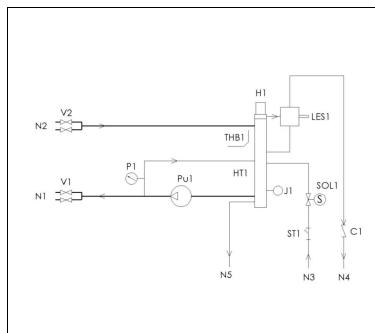
^{*6} The colour (paint colour) may be changed according to the customer's request.

^{*9} Weight of a standard model

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PFlow



No.	Symbol	Name
1	N1	Medium feed port
	N2	Medium return port
3	N3	Cooling water supply port
4	N4	Cooling water drain port
5	N5	Drain port
6	V1	Medium feed valve
	V2	Medium return valve
8	SOL1	Solenoid valve for cooling
9	THB1	Overheat protector
10	Pu1	Pump
11	H1	Heater
12	HT1	Heater tank
13		Thermocouple
	LES1	Level switch
15	P1	Pressure gauge
16	ST1	Strainer
17	C1	Check valve
18		

●Outline view

