

# 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 $\pm 1$ °C		
Pump	Electric capacity	0.43 kW		0.25 kW
	Flow capacity	1.2 m <sup>3</sup> /h at a head of 34 m		1.2 m <sup>3</sup> /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)		

\*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.

## ●Standard specifications

Medium		Clean water (soft water)	
Pump		Mechanical seal type	
Heater	Tank material	FC200 + Electroless nickel plating	
	Tank capacity	1 L	
Cooling	Method	Direct cooling by direct supply of clean water	
Temp. control	Setting / Display	Digital setting / Digital display	
	Control method	PID control for heating/cooling	
	Sensor *3	Thermocouple (J)	
Start timer *4		Subtractive timer, 00 h:01 m—99 h:59 m	
Piping connection	Cooling water supply port *5	Hose nipple, $\phi$ 10.5 mm	
	Cooling water drain port *5	Hose nipple, $\phi$ 10.5 mm	
	Medium feed port *5	Hose nipple, $\phi$ 10.5 mm: 2 pieces	
	Medium return port *5	Hose nipple, $\phi$ 10.5 mm: 2 pieces	
Safety device	<b>Error contents</b>	<b>Safety device</b> : <b>Error notification mode</b>	
	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
Paint colour *6		A45-90A (Gloss)	

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

\*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.

## ●Accessories \*7

Power cord	5 m
Circulation line hose	$\phi$ 9.5 mm, 3 m long, heat-resisting hose: 4 pieces
Hose band	Hose band for $\phi$ 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 <sup>3</sup> /h		
External dimensions *8	250 × 453 × 590 mm (W×D×H)		
Weight *9	44 kg		

\*8 Pipes to the machine are not included.

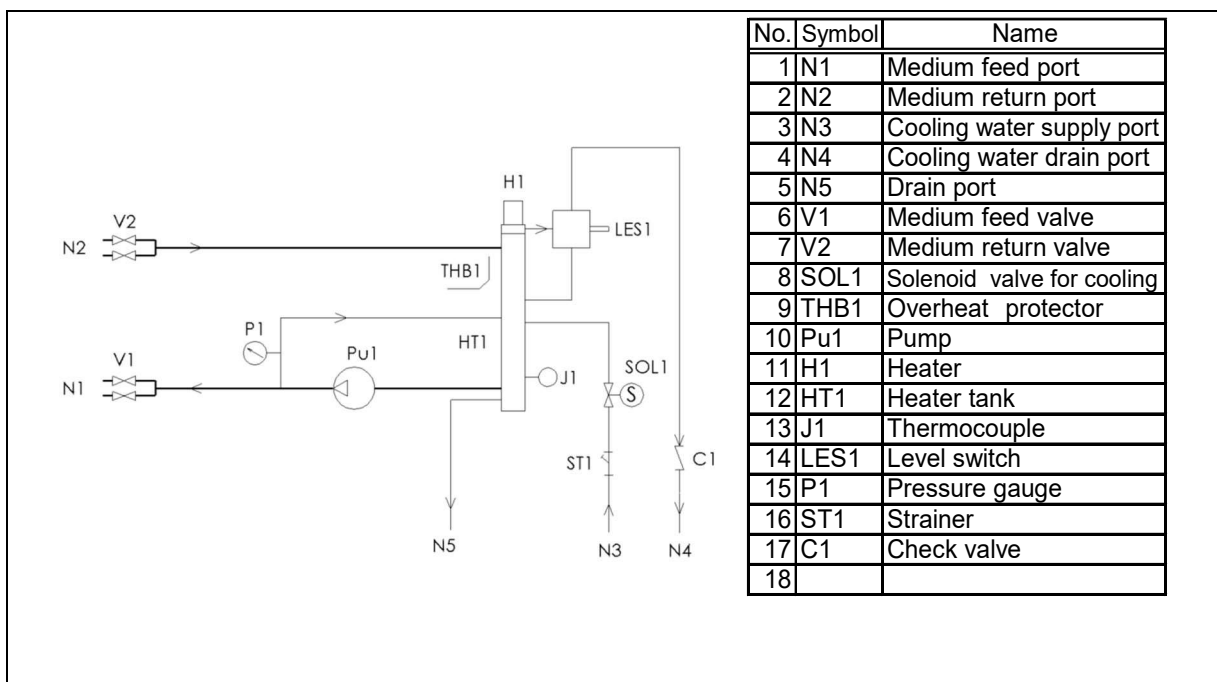
\*9 Weight of a standard model

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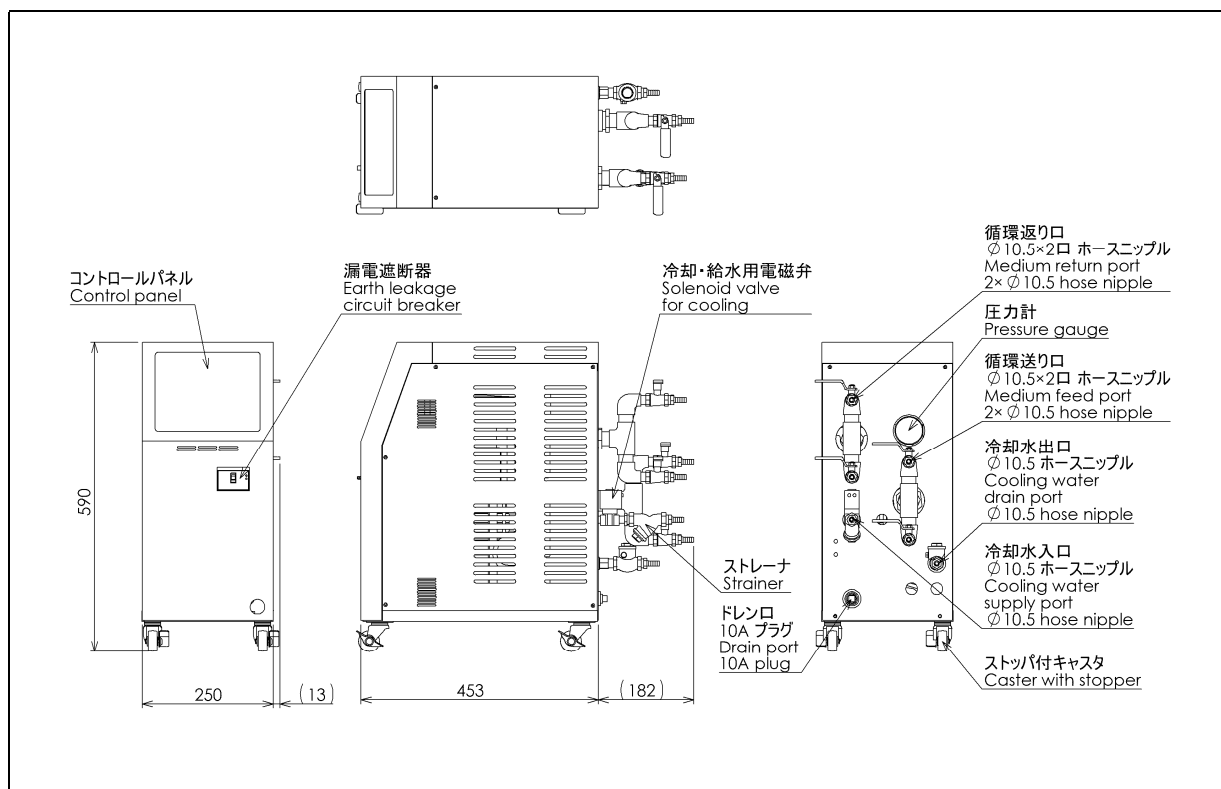
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## ●Flow



## ●Outline view



□ Specification may be changed without prior notice.

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