

# HEATING MEDIUM CIRCULATION TEMPERATURE CONTROLLER (Mold Temperature Controller) TW-MA Series (Max 120°C Type)

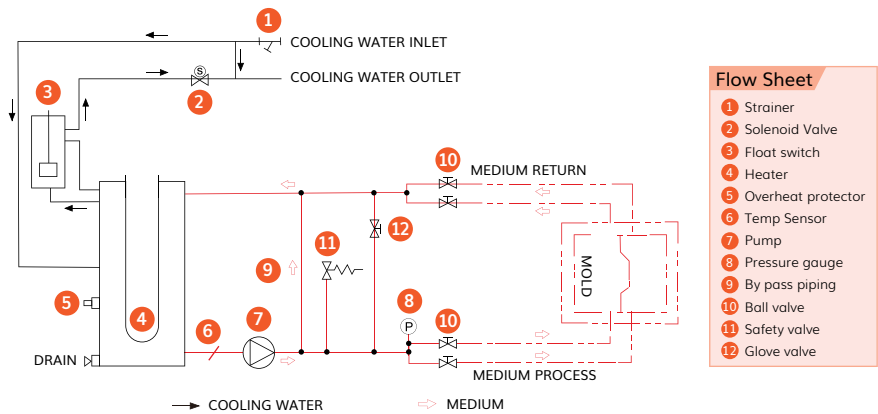
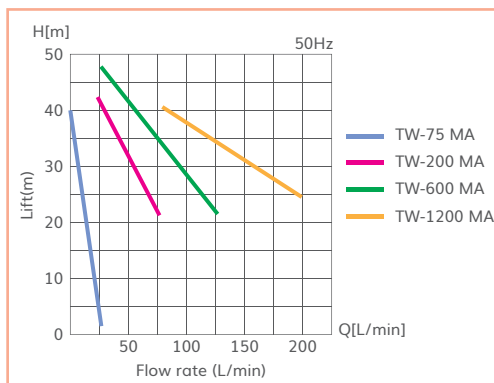
## Features

### Performance

- ▶ Direct cooling and high power heater provide quicker mold heat up
- ▶ High pressure, mass flow pump

### Versatility

- ▶ Set Run/Stop timer as requested
- ▶ Automatic depressurization while heating up
- ▶ Alarm output



- ### Flow Sheet
- 1 Strainer
  - 2 Solenoid Valve
  - 3 Float switch
  - 4 Heater
  - 5 Overheat protector
  - 6 Temp Sensor
  - 7 Pump
  - 8 Pressure gauge
  - 9 By pass piping
  - 10 Ball valve
  - 11 Safety valve
  - 12 Glove valve

## Specifications

TW-MA-KI

Model	TW-75MA-KI			TW-200MA-KI			TW-600MA-KI			TW-1200MA-KI					
Temperature	Max. 120°C														
Medium	Water														
Overheat Protection Set Temp	122°C														
Control Method	PID														
Heater Capacity (kW) 20CN/38W/415V	3.0			6.0			9.0			12.0					
Pump	Motor Capacity (kW)			0.5			0.55			1.1			1.5		
	Max. Pressure (Mpa)			0.4			0.4			0.35			0.4		
	Max. Flow (L/min)			25			73			133			217		
	Flow Rate (L/min)			5	15	25	25	50	73	55	83	133	92	166	217
	Total Head (m)			32	17	3	41	32	18	38	30	18	40	31	22
Cooling Method	Direct cooling														
Practical Cooling Capacity (kW)*	2.3			7.3			10.8			15.1					
Pipe	Circulation System			8Ax2			10Ax2			10Ax4			15Ax4		
	Cooling System			10A			15A			15A			15A		
Power Source (Cable)	AC 200V/380V/415V/ 50Hz 3P+E (5m)														
Total Electric capacity 200V/380V/415V (kW)	3.5			6.55			10.1			13.5					
Cooling Water Volume (L/min)	≥5			≥15			≥25			≥45					
Cooling Water Pressure (Mpa)	0.1~0.3														
Heat Resisting Hose/Hose-Nipple	8A x 0.5m x 2 pcs			10A x 0.5m x 2 pcs			10A x 0.5m x 4 pcs			15A x 0.5m x 4 pcs					
	With Band For LA			8A x 3m x 4 pcs			10A x 3m x 4 pcs			10A x 3m x 8 pcs			15A x 3m x 8 pcs		
Dimension (WxDxH) (mm)	430 x 235 x 540			635 x 235 x 570			635 x 235 x 720			700 x 300 x 870					
Weight (kg)	33			55			70			100					

Feed pressure for cooling water is 0.2MPa when the difference between medium temperature and cooling water inlet/outlet temperature is 30°C  
(Technical specifications and dimensions are subject to change without prior notice.)

1KW=860kcal/h

MOLD TEMPERATURE CONTROLLER