

HEATING MEDIUM CIRCULATION TEMPERATURE CONTROLLER (Mold Temperature Controller)

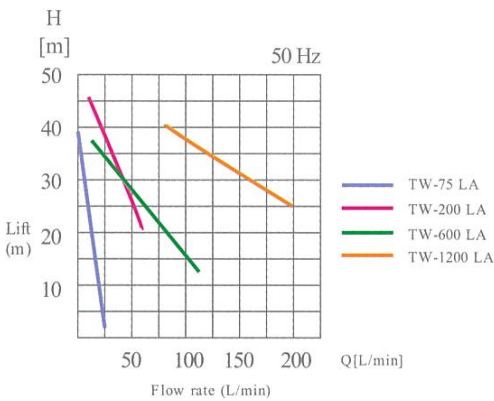
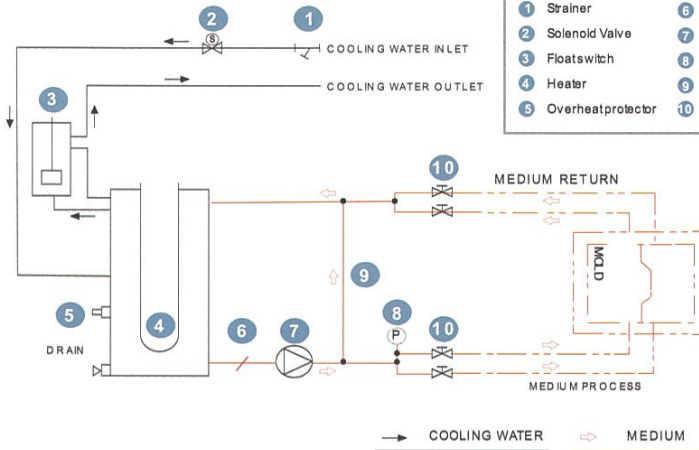
Features

1. Accuracy
 - [1] $\pm 0.1^{\circ}\text{C}$ Temperature unit indication
 - [2] Pt100 Ω Sensor minimizes ambient temperature influence
 - [3] SSR for heater control
2. Reliability
 - [1] Longer life cycle
 - [2] Improved mechanical seal and shaft components lead to increased endurance



Flow Sheet

- | | |
|----------------------|------------------|
| 1 Strainer | 6 Temp Sensor |
| 2 Solenoid Valve | 7 Pump |
| 3 Floatswitch | 8 Pressure gauge |
| 4 Heater | 9 Bypass piping |
| 5 Overheat protector | 10 Ball valve |



TW-LA-KI Specification

Model	TW-75LA-KI	TW-200LA-KI	TW-600LA-KI	TW-1200LA-KI	
Medium	City water				
Temperature	Max. 90°C				
Overheat Protection Set Temp	122°C				
Control Method	PID				
Heater Capacity (kW) 200V/380V/415V	3.0	6.0	9.0	12.0	
Pump	Motor Capacity (kW)	0.5	0.55	0.75	1.5
	Max. Pressure (Mpa)	0.4	0.46	0.38	0.41
	Max. Flow (L/min)	35	58	116	200
	Flow Rate (L/min)	2 10 25	8 33 58	16 66 116	83 133 200
	Total Head (m)	40 30 3	46 35 22	38 10 14	41 36 26
Cooling Method	Direct cooling				
Practical Cooling Capacity (kW)*	2.3	7.3	10.8	15.1	
Pipe diam	Circulation System	8Ax2	10Ax2	10Ax4	15Ax4
	Cooling System	10A		15A	
Power Source (Cable)	AC 200V/380V/415V/50Hz 3P+E (5m)				
Total Electric Capacity 200V/380V/415V (kW)	3.5	6.55	9.75	13.5	
Cooling Water Volume (L/min)	≥ 5	≥ 15	≥ 25	≥ 45	
Cooling Water Pressure (Mpa)	0.1 ~ 0.3				
Heat Resisting Hose/Hose-Nipple With Band For LA	10Ax 15mx 1	10Ax 15mx 1	10Ax 15mx2	15Ax 15mx2	
	12	12	20	24	
Dimension (D x W x H) (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