



## Dual-purpose Water/Oil Heater

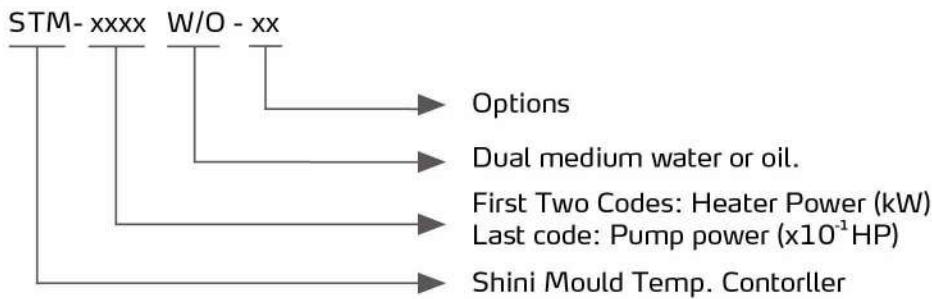
STM-907W/O



Refer carefully to this manual before operation.

# STM-W/O Series

## ■ Coding Principle



## ■ Features

- Adopt water or oil as the heat transfer medium, the maximum operating temperature for water is 90°C/203°F, and oil is 160°C/320°F.
- 4.3" Touch screen controller with easy to use HMI and clean display.
- P. I. D multi-stage temperature control system can maintain a mould temperature with an accuracy of  $\pm 0.5^{\circ}\text{C}/0.9^{\circ}\text{F}$ .
- Programmable heating capacity in 3kW, 6kW, or 9kW via HMI.
- Pump reverse function for mould drain.
- Vacuum mode for leak stop function.
- Multiple safety devices including power reverse phase protection, pump overload protection, overheat protection, and low level protection.
- Modbus RTU data communication via RS485.



Inner Structure



Human machine interface

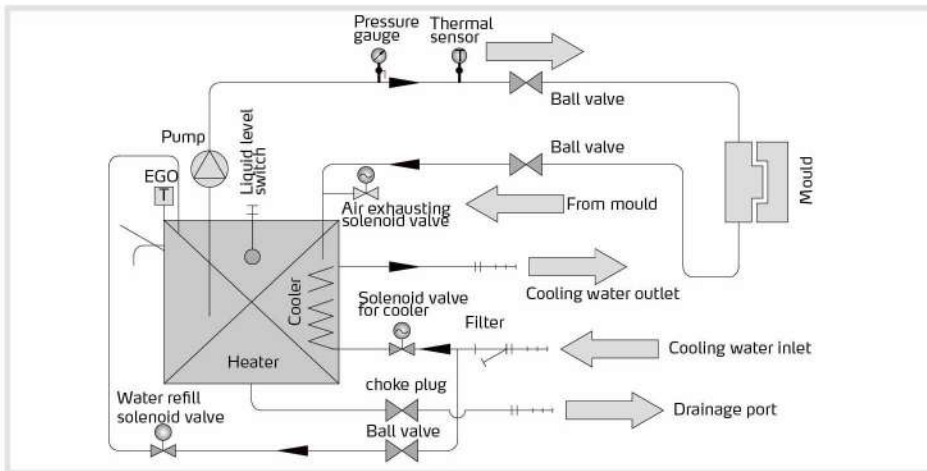
## ■ Options

- Return water or oil temperature is available as an option, and add "TS" at the end of the model code.
- Digital flow meter is available as an option, and add "V" at the end of the model code.
- Digital pressure gauge is available as an option, and add "P" at the end of the model code.

## ■ Application

STM-W/O series dual-medium mould temperature control units are used as mould heaters and maintain mould temperature. The unit can be used in other similar applications. The unit can use water or heating oil as the heat transfer medium for different production processes or conditions. The unit also has multiple options and accessories to meet various production process needs, such as a flow meter, manifold, hose, multi-coupling system, etc.

## Working Principle



System Flow (Indirect Cooling)

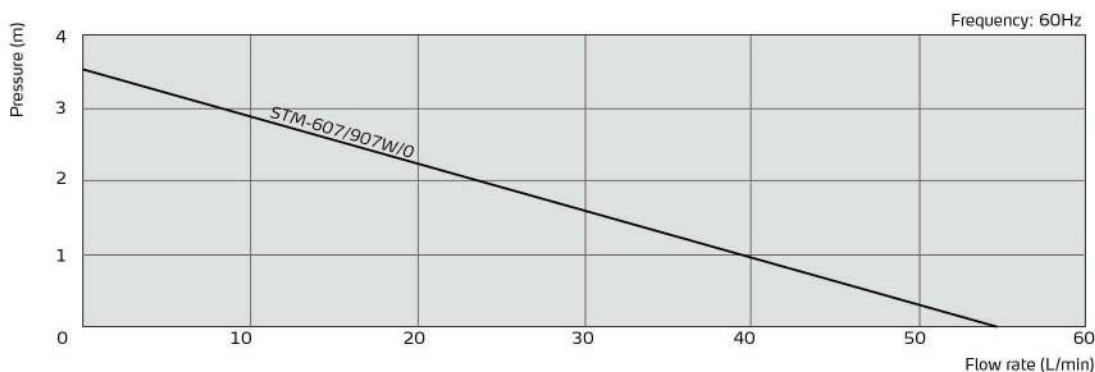
## Specifications

Model		STM-907W/O
Max. Temp.		W: 90°C / 203°F O: 160°C / 320°F
Heater(kW)		3, 6, 9
Pump Power(kW) (50/60Hz)		0.55/0.55
Max. pump Flow (50/60Hz)	L/min	40/50
	gal/min	10.6/13.2
Max. pump Pressure(bar)(50/60Hz)		3.5
Heating Tank Number		1
Heating Tank Capacity	L	16
	gal	4.2
Cooling Method		Indirect
Inlet/Outlet (inch)		3/4 / 3/4
Dimensions (H×W×D)	mm	630×270×770
	inch	24.8×10.6×30.3
Weight	kg	47
	lb	103.4

- Notes: 1) To ensure stable heating temperature, the back pressure of inlet/outlet cooling water is not less than 0.5 bar.  
 2) Pump testing conditions: Power of 50, purified water in 20°C/68°F. (There is ± 10% tolerance for either max. flowrate or max. pressure).  
 3) Power supply: 3Φ, 230/400/460/575VAC, 50/60 Hz.

We reserve the right to change specifications without prior notice.

## Pump Performance



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