



# 油式模温机

## Oil Type Mold Temperature Controller

TTO

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## ● 特点 Features

- 电控箱与机身隔离，隔热效果佳，电器使用寿命长。
  - 模温机专用触摸屏控制器，控温更合理，省电35%以上。
  - 安全保护及故障指示系统完善，维修方便无需专业人员。
  - 进口高级组件，使用年限长。
  - 升降温速度快，温度精确稳定，可达 $\pm 0.1^{\circ}\text{C}$ 。
  - 独特的加热设计，适合不同温控场所使用，节能效果明显。
  - 主管路采用304不锈钢一体成型，管损小，加热均匀，使用寿命长。
  - 开机自动排气功能。
  - 吹气回油功能。
- Electronic control panel and machine body are isolated to acquire good effects on heat insulation in order to extend the service life of electrical components.
  - P.I.D multi-stage temperature control system can save power up to 35% thanks to control temperature accurately & reasonably.
  - Perfect safety protection and error indication display which are easymaintained and repaired ,even without professionals can do it.
  - Imported hi-class parts with long service life.
  - Rapid heating and cool down speeds lead temperature to be kept precisely and stably with accuracy up to  $\pm 0.1$ .
  - Unique heating design are suitable to different temperature control application with excellent & distinct power saving.
  - 304 stainless steel integrated pipelines with less pipe resistance and even heating for long service life.
  - Automatic air-exhausting function after startup.
  - Air blowing and return oil function.



使用油为传热媒介，以间接冷却方式达到热交换，具有控温范围大，热稳定性好等优点。标准型温度控制达 $200^{\circ}\text{C}$ ，高温型已达 $300^{\circ}\text{C}$ 。

Oil Type Mold Temperature Controller use oil as heating media to realize heat exchange by indirect cooling. Oil type has its superiorities with wide temperature controlled range and excellent heat stability. Standard heating temperature can reach at  $200^{\circ}\text{C}$  while high temperature type can reach  $300^{\circ}\text{C}$ .

## ● 安全保护及指示系统 Safety Protecting and Indiction System

- 电源欠相保护  
Safty Protection and Indiction System
- 总电源无熔丝断路器  
Power lack-phase protection
- 泵反转保护及指示灯  
Non-fuse circuit braker for protecting power supply
- 泵过载保护及指示灯  
Pump reverse protection and indicating lamp
- 缺水保护及指示灯  
Water shortage protection and indicating lamp
- 过热保护及指示灯  
Overheat protection and indicating lamp
- 热油By-pass 压回路  
Hot oil by-pass pressure release loop
- 强制冷却  
Forced cooling
- 温度异常警报  
Abnormal temperature alarm
- 异常警报蜂鸣器  
Abnormal alarm buzzer
- 缺油保护及指示器  
Oil shortage protection and indicating lamp

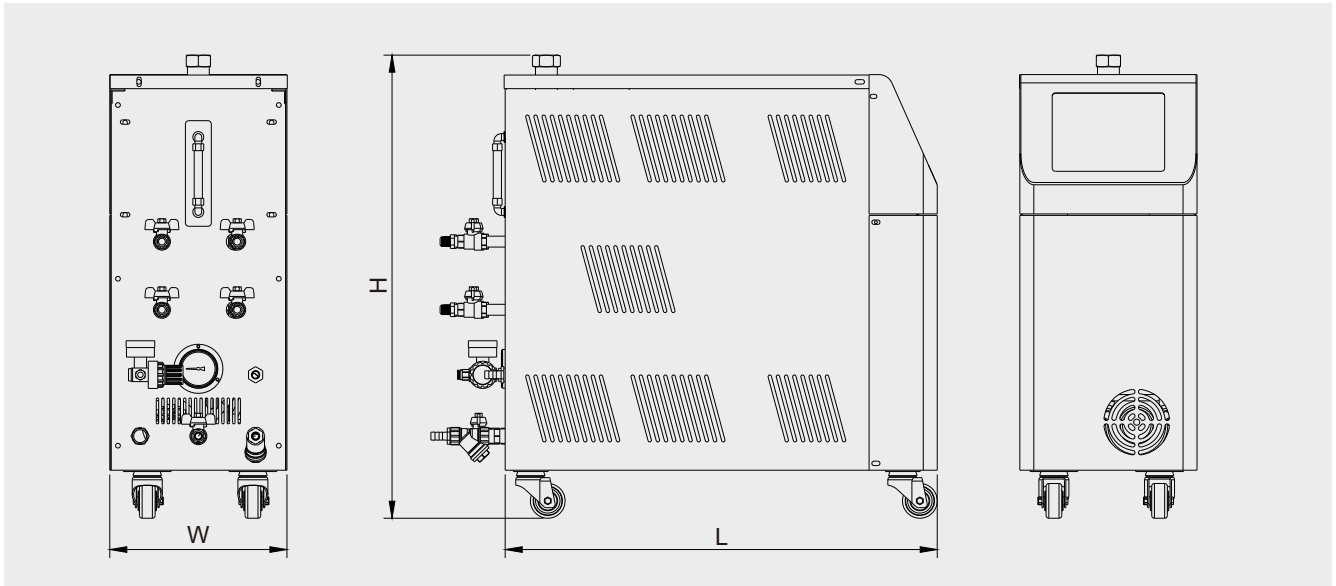


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## ● 选择加装配件 Options

- 感温棒接到外部配线  
Thermocouplen for connecting external wiring
- 回油温度显示器  
Thermometer for return oil
- 防漏电保护开关  
Leakage protection switch
- 电压异常保护开关  
Abnormal voltage protection switch
- 铁弗龙管  
Teflon hose

● 产品结构图 Product Structure Diagram



● 规格表 Specification Sheet

产品型号Model		TTO-2010C	TTO-2020C	TTO-2030C	TTO-3010C (联轴泵)	TTO-3020C	TTO-3010C (磁力泵)	TTO-2010DC	TTO-2020DC	TTO-2030DC
加热器功率 Heater Power	KW	9	12	12	12	12	12	9×2	12×2	12×2
传热媒介 Heat Transfer Medium		导热油 Thermal conductive oil								
冷却方式 Cooling Method		间接冷却 Indirect								
冷却水压要求 Min. Water Pressure	Kg/cm <sup>2</sup>	2~5								
冷却水配管 Cooling Water Pipe		φ12								
最高使用温度 Max. Working Temp	℃	200	200	200	300	300	300	200	200	200
最低使用温度 Min. Working Temp	℃	冷却水温度+20℃ water temperature +20℃								
温控精度 Temperature Control Accuracy	℃	±1℃								
热水配管 Hot Water Pipe		4进4出3/8 4in4out3/8								
冷却能力 Cooling Capacity	Kcal/H	9000	9000	9000	9500	9500	9500	18000	19000	19000
水泵功率 Pump Power	HP	1	2	3	1	2	1	1×2	2×2	3×2
最大流量 max.flowPump Flow	L/min	60	85	280	25	100	71	60×2	191×2	280×2
最大压力 max.pressure	MPA	0.35	0.69	0.28	0.22	0.28	0.55	0.35	0.26	0.28
油箱容量 Oil Tank	L	7	11	23	18	21	10	7×2	50	50
系统电源 Power Supply	V	380VAC 3P/PE 50Hz								
机器总功率 Total Power	KW	10	13.5	14.5	13	14	13	20	22	29
电源线规格 Wires Specifications	mm <sup>2</sup>	4×6						4×10		
电源线长度 Wires Length	M	5								
外观尺寸(长×宽×高) Dimensions(LxWxH)	mm	781×290 ×700	1000×330 ×785	1330×450 ×960	1328×410 ×880	1370×460 ×906	1270×350 ×900	781×576 ×700	1400×730 ×1033	1400×730 ×1033
机器重量 Weight	KG	60	70	179	171	155	155	110	130	130

注：产品规格若有变更，恕不另行通知。 We reserve right to change specifications without prior notice.

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