

# 水式模温机 Water Type Mold Temperature Controllers

TTW

## ● 特点 Features

- 电机与机身隔离，隔热效果好，电器使用寿命长。
  - 能源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。
  - 进口高品质组件，使用寿命长。
  - 升温速率快，温度精确稳定，可达±0.1℃。
  - 独特的加热设计，适合不同温控场所使用，节能效果明显。
- 美仑长。
- 开机的排风功能。
  - 吹气回水功能。

- 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 easy maintained 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 ±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 water function.

冷却单元的冷却器结构获得实用新型专利 Practical New Patent for structure of cooler  
专利号/Patent No.: ZL 201120245120.X



使用水为传热媒介，以直接（低温型）或间接冷却（高温型）方式达到热交换。具有热传导效率高，污染少，水资源容易取得，使用成本低等优点。标准型温度控制达120~180℃。

Water Type Mold Temperature Controllers use water as heating media to realize heat exchange by direct cooling for standard temperature control from 120~180°C. Water type has its superiorities with high efficient heat transmission, less pollution, water resource easy to be attained with low cost.

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

- 安全保护及指示系统  
Safely Protection and Indiction System
- 电源欠相保护  
Power lack-phase protection
- 总电源保护及指示灯  
Power supply protection and indicating lamp
- 泵反转保护及指示灯  
Pump reverse protection and indicating lamp
- 泵过载保护及指示灯  
Pump overload 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
- 热水Bypass压力回流  
Hot water by-pass pressure release loop
- 强制冷却  
Forced cooling
- 温度异常报警  
Abnormal temperature alarm
- 异常警报蜂鸣器  
Abnormal alarm buzzer

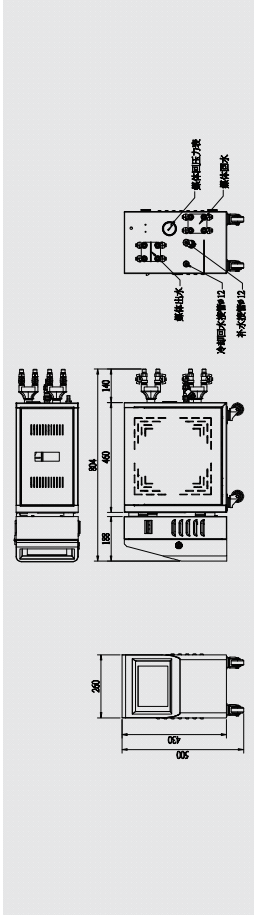


## ● 选择加装配件 Options

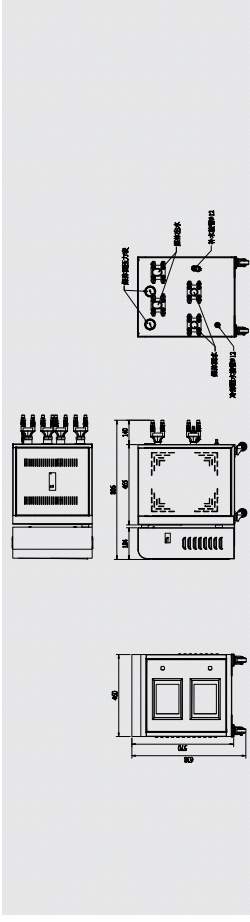
- 感温棒接到外部配线  
Thermocoupler for connecting external wiring
- 精密水质过滤器  
Large water filter
- 防漏保护开关  
Leakage protection switch
- 电压异常保护开关  
Abnormal voltage protection switch
- 铸弗龙管  
Teflon hose

## ● 产品结构图 Product Structure Diagram

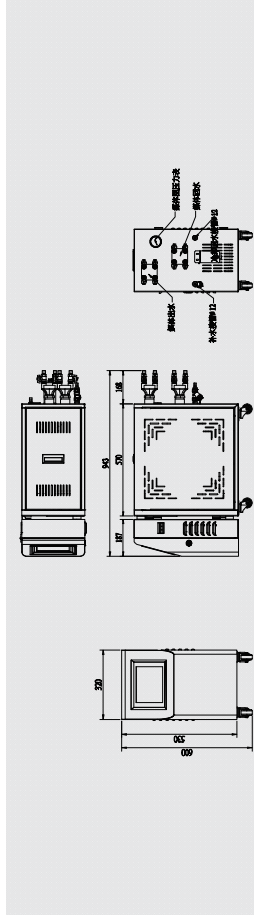
1. TTW-1210B(不含选购件)



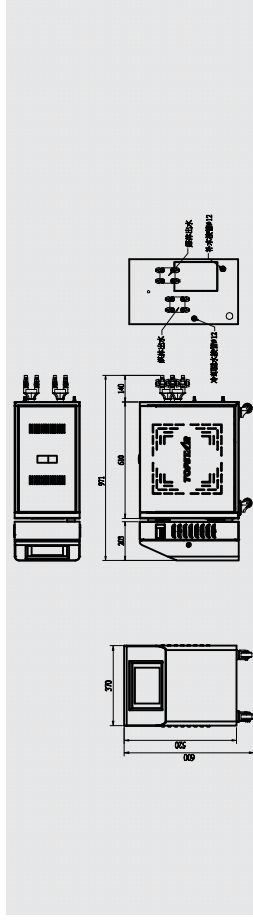
2. TTW-1210DB(不含选购件)



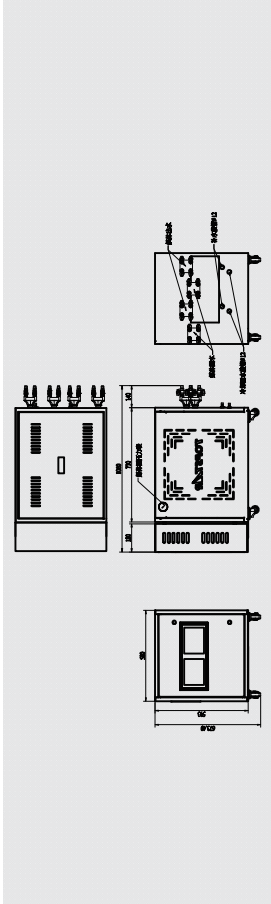
3. TTW-1220B/1230B(不含选购件)



4. TTW-1610B/1810B(不含选购件)



5. TTW-1610DB/1810DB(不含溢流件)



● 规格表 Specification Sheet

产品型号Model	TTW-1205B	TTW-1210B	TTW-1230B	TTW-1230H8B	TTW-125030B	TTW-1610B	TTW-1620B	TTW-163018B	TTW-1610DB	TTW-1620DB	
适用范围 range of application	清水 clean water										
最高流量 max temperature	120										
最低流量 min temperature	160										
冷却方式 cool mode	直接冷却 direct cool										
加热功率 heater capacity	6×2	9×2	12	9x2	15x2	9	9	9x2	9	9x2	
最大流量 max. flow	0.37x2	0.75	1.5	2.2	3.7	0.75	1.5	2.2x2	1.1	1.5	
最大压力 max.pressure	0.27	0.35	0.69	0.28	0.35	0.48	0.69	0.28	0.55	0.7	
流量 flow	44/30/13	58/40/20	60/42/24	250/200/130	400/310/170	44/36/28	70/55/40	250/200/130	58/35/11	65/40/20	
压力 pressure	0.10/160/24	0.10/20/3	0.20/40/6	0.10/15/0.2	0.10/20/3	0.10/25/0.4	0.10/25/0.4	0.10/150/2.0	0.10/250/4	0.10/250/4	
增压泵(W) booster pump	无 None										
箱体进出口径(inlet/outlet pipe)	4英寸 4 in 4 out										
补水口径 supply water pipe	3/8"										
冷却回水口径(water outlet pipe)	φ12										
补水流量要求(客户定制) L/min water flow (customer)	0.4~0.7mpa X 100L/min										
压缩空气要求(溢流件) L/min water flow (customer)	0.4~0.7mpa X 100L/min										
报警功能 alarm	逆相、媒体不足、媒体泵过载、温度上下限报警 phase fault, lack medium, pump overload, thermocouple fault, temperature low/high limit alarm										
电 Power	380VAC 3P/PE 50Hz										
电压 voltage	220VAC 1P/PE 50Hz										
电流 current	200V/220V/380V										
容量 capacity	200V/220V										
容量容量(A/Main breaker capacity)	380V/415V/440V										
电源线 power line	M										
颜色 color	机箱体 rack 灰白(潘通冷灰C) gray 电气箱门、封面 electric box, cover plate 绿色(潘通3262C) green SUS不锈钢部分 SUS stainless steel part 无 None										
重量 weight	5										
外形尺寸(长×宽×高) dimensions (L×W×H)	805×250×350	805×250×350	927×320×350	942×320×350	1285×500×370	1040×370×350	1040×370×350	1040×370×350	1040×370×350	1230×440×370	1040×370×350

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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产品型号Model	TTW-1205DB	TTW-1210DB	TTW-1220DB	TTW-1230DB	TTW-125030DB	TTW-1610DB	TTW-1620DB	TTW-1630DB	TTW-1610DB	TTW-1620DB	TTW-1630DB	TTW-1810DB	TTW-1820DB	TTW-1810DB	TTW-1820DB	TTW-1810DB	TTW-1820DB
适用范围 range of application	纯水 clean water																
最高流量 max temperature	120																
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冷却方式 cool mode	间接冷却 indirect cool																
加热功率 heater capacity	6×2	9×2	15×2	9×2	15×2	9×2	9×2	9x2	9x2	9x2	9x2	9x2	9x2	9x2	9x2	9x2	9x2
最大流量 max. flow	0.37x2	0.75×2	1.5×2	3.7×2	7.5×2	1.5×2	1.5×2	2.5x2	1.1×2	1.5x2	1.5x2	1.5x2	1.5x2	1.5x2	1.5x2	1.5x2	1.5x2
最大压力 max.pressure	0.27	0.35	0.69	0.35	0.48	0.69	0.28	0.55	0.7	0.35	0.35	0.55	0.7	0.35	0.35	0.55	0.7
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压力 pressure	0.10/160/24	0.10/20/3	0.20/40/6	0.10/20/3	0.10/25/0.4	0.10/25/0.4	0.10/150/2.0	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4	0.10/250/4
增压泵(W) booster pump	无 None																
箱体进出口径(inlet/outlet pipe)	4英寸 4 in 4 out × 2																
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重量 weight	70																
外形尺寸(长×宽×高) dimensions (L×W×H)	830×630×460	830×630×460	1047×600×650	1047×600×650	1320×900×926	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660	1080×580×660

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