

# 模具温度调节机 MOLD TEMP CONTROLLER

热媒体(水)  
最高使用温度 **90°C**



# PRO-MASTER TWH-Lseries

**进一步优化操作性，实现更高的可靠性**  
Further Optimized Operability and High Reliability

## 高精度

### High Precision

- 温度表示单位0.1°C
- 采用受环境温度影响较少的Pt100Ω温度传感器
- The temperature is in 0.1°C
- Pt100 temperature sensor that is less affected by the ambient temperature is used

## 智能化控制

### Intelligent Control

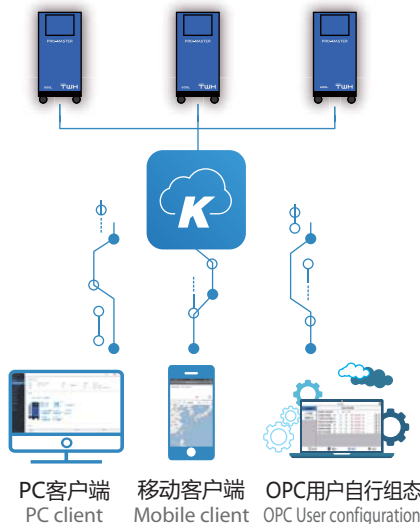
- 采用高清电容触摸屏
- 温度、压力、流量(OP)实时监控
- 智能化界面，操作简便
- High definition capacitive touch screen
- Real-time monitoring of temperature, pressure and flow (OP)
- Intelligent interface, easy to operate



## 川田 K-Cloud 平台

### KAWATA K-Cloud Platform

- 通过KMS-G01智能控制基板，连接到川田K-Cloud平台，可实现：
  - 实时远程监控、数据统计和分析等大数据处理
  - 远程健康预诊与设备生命周期管理
  - 数据的安全保障
- Through KMS-G01's intelligent control panel connecting to KAWATA K-Cloud Platform, the following functions can be achieve:
  - Remote real-time monitoring and data processing such as date statistics, data analysis etc
  - Remote health pre-diagnosis and equipments' lifecycle management
  - Data security guaranteed



## 互联网技术的应用

### Application of Internet Technology

- 实现远程监控、数据统计和分析及机器寿命管理等大数据处理
- For big data processing including remote monitoring and control, statistics, data analysis and machine life management

## 外形亲和

### User Friendly Design

- 色彩分区，功能明确
- 边缘柔和内敛
- Color difference for clear functions
- Soft and smooth edge

## 标准规格 Standard

- 温度表示单位±0.1°C/Display in ±0.1°C increments
- 温度传感器Pt100Ω/Temperature sensor Pt100Ω
- SSR加热控制/SSR for heater control
- 远程运转操作/Remote operation
- 启动/停止时间(可设置运转开始和停止时间)/Run/Stop timer (to set run and stop time)
- 异常报警输出(包括外部终端)(继电器接点250V1.0A max.)/Alarm output (including out terminal) (Relay contact 250V 1.0A max.)

## 规格 Specifications

型号/Model	TWH-200L-KS			TWH-600L-KS			TWH-1200L-KS			
媒体/Medium	清水/Fresh water									
使用温度/Temperature (°C)	Max. 90									
控制方法/Control method	PID控制/PID control									
加热管/Heater	容量/Capacity (kW)	6.0			9.0			12.0		
	控制/Control	SSR控制/Control SSR								
	加热方式/Heating method	直接加热/Direct heating								
媒体泵/Medium pump	密封方式/Seal method	机械密封/Mechanical seal								
	马达功率/Motor capacity (kW)	0.75			0.55			1.5		
	最大压力/Max. pressure (MPa)	0.54			0.32			0.45		
	最大流量/Max. flow (L/min)	83			133			217		
	流量/Flow rate (L/min)	17	50	83	25	83	133	67	166	216
全扬程/Total head (m)	50	36	14	30	21	8	42	31	21	
冷却方式/Cooling method	直接冷却/Direct cooling									
冷却能力/Cooling capacity (kW)	7.3			10.8			15.1			
配管径/Pipe size	循环系/Circulation line	10A×2方向/Direction			10A×4方向/Direction			15A×4方向/Direction		
	冷却系/Cooling line	15A								
警报/Alarm	逆相、媒体不足、媒体泵过负荷、温度探头断线、温度上限、温度下限、流量异常报警、压力异常报警、回水温度异常/ Phase reverse, Medium shortage, Pump overload, Sensor error, Temp, upper limit and lower limit, Abnormal flow alarm, Abnormal pressure alarm, Temperature anomaly of backwater									
公用工程/Utility	电源电压/Power supply	AC 200-220-380-415V/50Hz 3P+E								
	主断路器容量/Main breaker capacity (380/220V)(A)	15/32			20/40			32/63		
	总电气容量/Power supply (kW)	6.8			9.6			13.5		
	压缩空气使用量/Compressed air requirement/ (L/min)(ANR)(0.4~0.6MPa)	压缩空气排水(选购件)选择时 适量/ Proper amount for Air purge (op)								
	冷却水量/Cooling water volume (L/min)	≥15			≥25			≥45		
	冷却水压力/Cooling water pressure (MPa)	0.1~0.3								
附属品/Accessories	耐热橡胶软管/Heat resisting pipe	10A×15m×1pcs			10A×15m×2pcs			15A×15m×2pcs 10A×15m×1pcs		
	铜竹节/Bronze bamboo festival	1/2"-Φ10mm×4 3/8"-Φ10mm×12			1/2"-Φ10mm×4 3/8"-Φ10mm×24			1/2"-Φ10mm×4 1/2"-Φ13mm×24		
	管箍/Pipe hoop	Φ11-17mm×16			Φ11-17mm×28			Φ11-17mm×4 Φ13-20mm×24		
	电源线/Power supply cable	电源线 5m/Power cable 5m								
机器重量/Weight (kg)	65			80			110			

\*冷却水给水压力0.2MPa, 媒体温度和冷却水入口温度差为30°C时的值/  
This cooling capacity is the actual value when the pressure of cooling water supply is 0.2MPa and the difference between the set medium temperature and the cooling water inlet temperature is 30°C.

## 外形尺寸图 Dimensions

型号/Model	W (mm)	D' (mm)	D (mm)	H (mm)
TWH-200L-KS	290	635	726	615
TWH-600L-KS	290	635	726	705
TWH-1200L-KS	310	700	815	850

- 媒体回/ Medium return (10A×4)
- 冷却水入口/ Cooling water inlet (15A)
- 冷却水出口/ Cooling water outlet (15A)
- 媒体出/ Medium process (10A×4)