

# 模具温度调节机 MOLD TEMP CONTROLLER

热媒体(水)  
最高使用温度

TCH-HH  
**160°C**

TCH-SH  
**180°C**

# PRO-MASTER TCHseries

以更智能化的设计，展现优越的功能

Show Superior Functions with more Intelligent Design

温度控制最高可达 180°C

The Temperature Control can up to Max. 180°C

间接冷却，适应不同条件的水质情况

The Indirect Heating can Adapte to different Water Conditions

高扬程、大流量的磁力泵使模具温度更稳定

Stablize the Temperature of the Mold by the Magnetic Pump with high Lift and Mass Flow

智能化控制

Intelligent Control

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

外形亲和

User Friendly Design

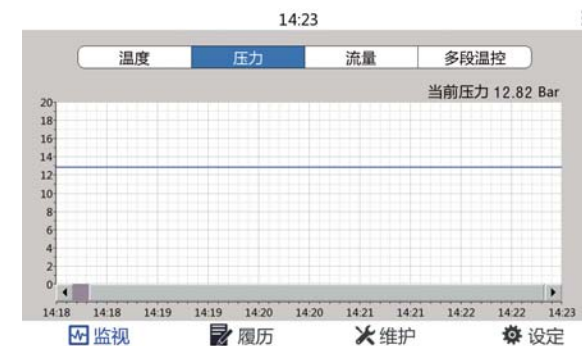
- 色彩分区，功能明确
- 边缘柔和内敛
- Color difference for clear functions
- Soft and smooth edge

规格 Specifications

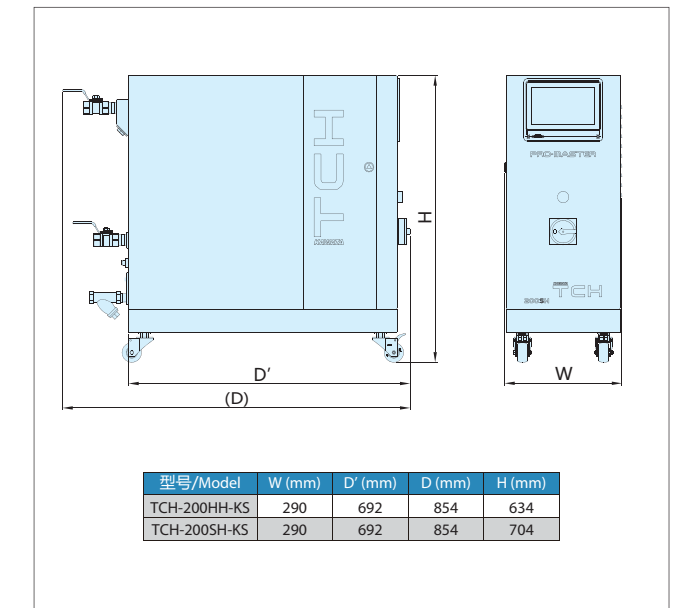
| 型号/Model                           | TCH-200HH-KS  | TCH-200SH-KS  |           |    |    |
|------------------------------------|---|---|-----------|----|----|
| 媒体/Medium                          | 清水/Fresh water  |   |           |    |    |
| 使用温度/Temperature (°C)              | Max. 160  | Max. 180  |           |    |    |
| 控制方法/Control method                | PID控制/PID control   |   |           |    |    |
| 加热管/Heater                         | 容量/Capacity (kW)  | 6.0   | 9.0       |    |    |
|                                    | 控制/Control  | SSR控制/Control SSR                                   |           |    |    |
| 媒体泵/Medium pump                    | 马达功率/Motor capacity (50/60Hz)(kW)   | 1.0/1.1   |           |    |    |
|                                    | 50Hz  | 最大压力/Max. pressure (MPa)                            | 0.5       |    |    |
|                                    |   | 最大流量/Max. flow (L/min)                              | 55        |    |    |
|                                    |   | 流量/Flow rate (L/min)                                | 10        | 30 | 55 |
|                                    | 60Hz  | 全扬程/Total head (m)                                  | 50        | 30 | 5  |
|                                    |   | 最大压力/Max. pressure (MPa)                            | 0.6       |    |    |
| 最大流量/Max. Flow(L/min)              |   | 60  |           |    |    |
| 增压泵/Booster pump (50/60Hz)         | 马达功率/Motor capacity (kW)  | 0.055   | 0.048     |    |    |
|                                    | 最大压力/Max. pressure (MPa)  | 0.9   | 2         |    |    |
|                                    | 最大流量/Max. flow (L/min)  | 0.53  | 0.45      |    |    |
| 冷却方式/Cooling method                | 间接冷却/Indirect cooling   |   |           |    |    |
| 冷却能力/Cooling capacity (kW)         | ≥7.3  |   |           |    |    |
| 配管径/Pipe Size                      | 循环系/Circulation line  | 20A   |           |    |    |
|                                    | 冷却系/Cooling line  | 15A   |           |    |    |
| 警报/Alarm                           | 逆相、媒体不足、水泵过负荷、温度上限、温度下限、过热防止/Phase reverse, Medium shortage, Pump overload, Temp.upper limit and lower limit, Over heat |   |           |    |    |
| 共用工程/Utility                       | 电源电压/Power supply   | AC 200-220-380-415V/50Hz 3P+E                       |           |    |    |
|                                    | 主断路器容量/Main breaker capacity (380/220)(A)   | 20/32   | 20/40     |    |    |
|                                    | 总电气容量/Power supply (50/60Hz)(kW)  | 7.1/7.2   | 10.0/10.1 |    |    |
|                                    | 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   |   |           |    |    |
| 冷却水压力/Cooling water pressure (MPa) | 0.2~0.5   |   |           |    |    |
| 附属品/Accessories                    | 电源线/Power cable 5m  |   |           |    |    |
| 机器重量/Weight (kg)                   | 95  | 105   |           |    |    |

\*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.

- 温控时，系统压力不受外界冷却水压力影响  
During the temperature control, the system pressure will not be affected by the external cooling water pressure



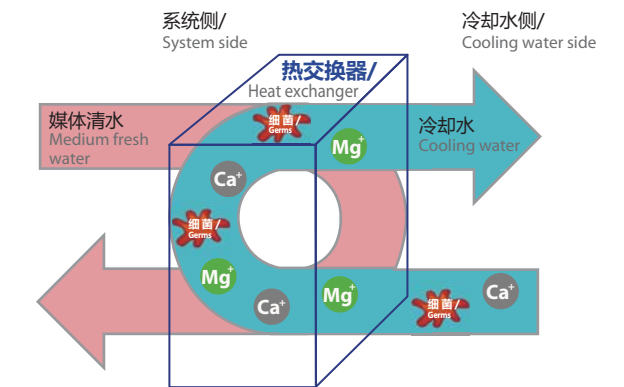
外形尺寸图 Dimensions



| 型号/Model     | W (mm) | D' (mm) | D (mm) | H (mm) |
|--------------|--------|---------|--------|--------|
| TCH-200HH-KS | 290    | 692     | 854    | 634    |
| TCH-200SH-KS | 290    | 692     | 854    | 704    |

特征 Features

- 有效阻断不良水质进入系统内部  
Effectively prevent the undesirable water quality from entering into the system



- 冷却能力大，冷却速度快  
High cooling capacity, high cooling speed

