

# Heat and Cool System TH series

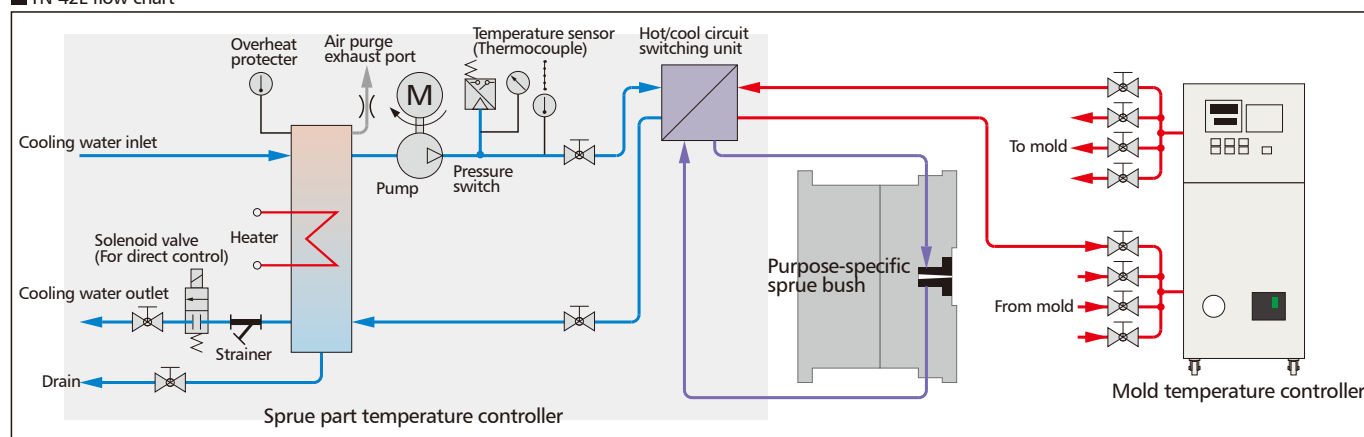
Quality, Speed and Economy

**STOLZ**  
CO., LTD.

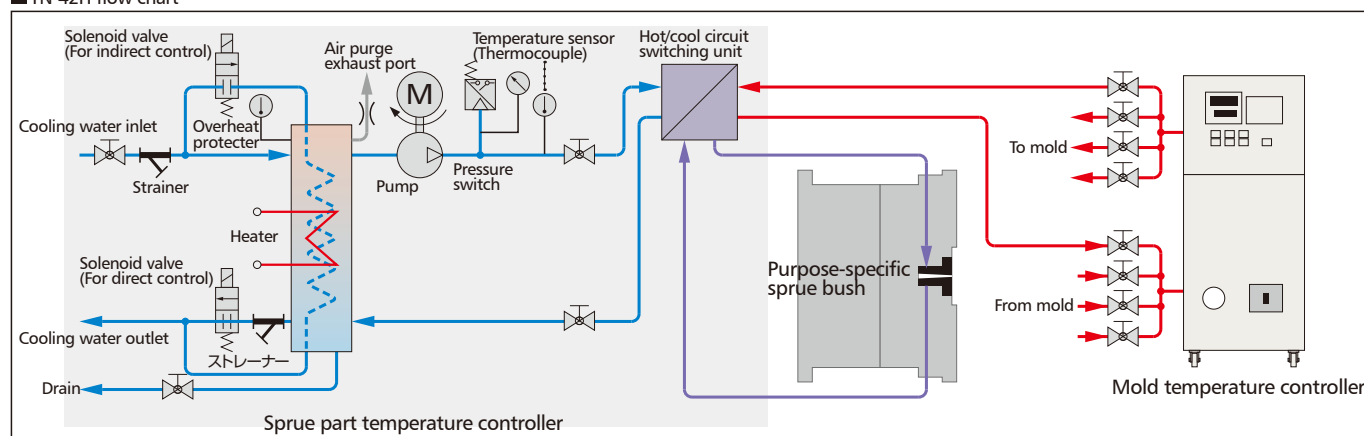
## Mold Temperature Controller with 2-step Sprue Temperature Switching Function

|                                   |       | TH-42L                                                                                                      | TH-42H                                                  |
|-----------------------------------|-------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Heating medium                    |       | Water                                                                                                       | Water                                                   |
| Temperature setting range         | °C    | Water supply temperature +10 -- Max. 95 (Accuracy: ±1)                                                      | Water supply temperature +10 -- Max. 120 (Accuracy: ±1) |
| Cooling mechanism                 |       | Direct Direct                                                                                               | Direct / Indirect cooling switching                     |
| Total electric capacity (50/60Hz) | kVA   | 6.99 / 6.83                                                                                                 | 6.99 / 6.83                                             |
| Heater power                      | kW    | 5.8                                                                                                         | 5.8                                                     |
| Pump power                        | kW    | 0.55 x 2P                                                                                                   | 0.55 x 2P                                               |
| Pump max. pressure (50/60Hz)      | MPa   | 0.34 / 0.39                                                                                                 | 0.34 / 0.39                                             |
| Pump max. flowrate (50/60Hz)      | L/min | 60 / 70                                                                                                     | 60 / 70                                                 |
| Sprue part max. flowrate          | L/min | 4.5                                                                                                         | 4.5                                                     |
| Temperature detection mechanism   |       | Thermocouple type JIS K (Set on the medium supply line)                                                     | Thermocouple type JIS K (Set on the medium supply line) |
| Alarm                             |       | Pump overload, low water supply pressure, overheating, sensor disconnection, reverse phase, set temperature |                                                         |
| Tank capacity                     | L     | 2.0                                                                                                         | 1.6                                                     |
| Power supply standard             |       | 200 / 220V 50 / 60Hz 3ø                                                                                     |                                                         |
| Braker                            | A     | 30                                                                                                          | 30                                                      |
| Outer dimensions (WxDxH)          | mm    | 263 x 714 x 600                                                                                             | 263 x 714 x 600                                         |
| Weight                            | kg    | 65                                                                                                          | 65                                                      |

■ TN-42L flow chart



■ TN-42H flow chart



● Purpose-specific sprue bush requires additional reworking of molds.

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