

## Smart 5W TS

Water temperature control unit for industrial applications up to 90°C in the field of plastic injection moulding, chemical, pharmaceutical, cosmetics or steel.

### Main features

- Pump works under pressure and reverse operation feature
- Solid State relays for heating
- Frontal cooler for solid state relays
- PID temperature control in cooling and heating process
- Hose breakage and leakage monitor
- Sensor failure monitor
- Automatic water filling
- Standard pump 200 l/m 5,8 bar
- Indirect cooling system double submersible coil
- Two independent solenoid valves one for cooling one for filling
- Entire cooling system, heaters, tank, process pipes and thermocouple in stainless steel
- Water level sensor through electrode
- Electronic flow measurement
- Acoustic alarm
- Castors
- Pressure transducer
- Thermocouple in process return
- User friendly touch screen pcb card

### Options

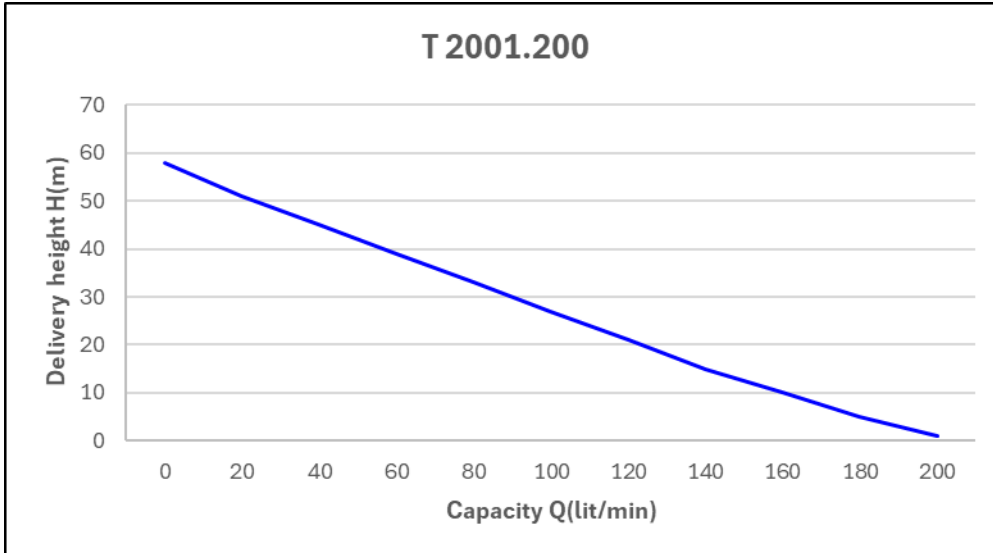
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Interface TTY 20mA, OPC UA, Profinet, RS 485, RS 232
- Multi polar connector for external signals
- Pump frequency converter
- Plate exchanger B12x30 – B28x56
- Automatic mould drain



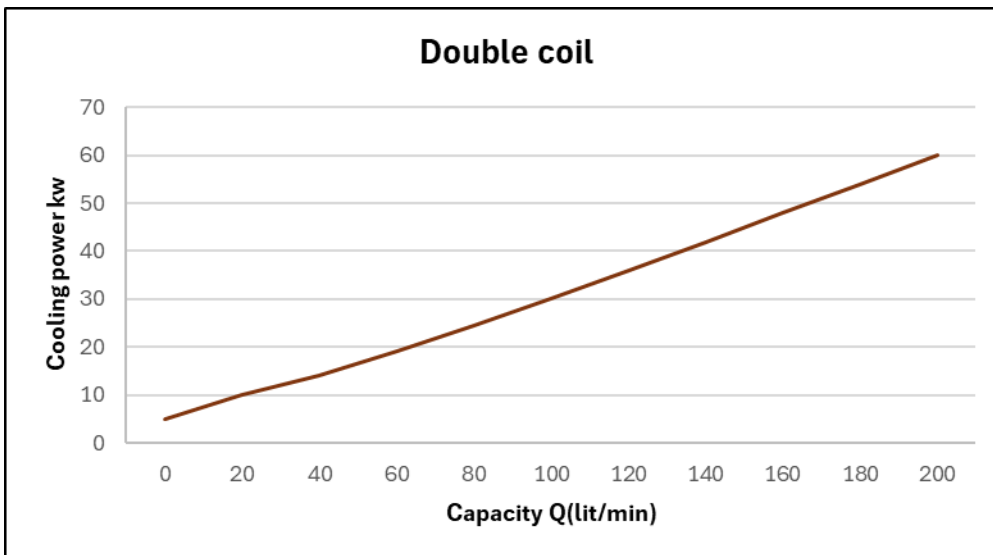
## Technical datas

|   |                         |  |
|---|-------------------------|--|
| Model                                     |                         | <b>SMART 5W TS</b>   |
| Fluid                                     |                         | Water  |
| Maximum temperature                       |                         | °C 90  |
| PID temperature control heating / cooling |                         | Yes  |
| Solid state relays + frontal cooler       |                         | Yes  |
| Heating power                             |                         | Kw 18 – 24 – 30 - 36   |
| Cooling power at 15°C                     | Double submersible coil | <b>60</b>  |
|   | B12x30                  | <b>235</b>   |
|   | B28x56                  | <b>350</b>   |
| Tank capacity                             |                         | Lit. 70  |
| Expansion volume                          |                         | Lit. 24  |
| Pump T 2001.200                           |                         | Max.Flow 200 lit/min<br>Max.Pressure 5,8 bar<br>Motor power 2,8 kw |
| Hydraulic process connections             |                         | inlet / outlet 1 1/2"  |
| Hydraulic cooling connections             |                         | inlet / outlet 1"  |
| PCB card                                  |                         | Touch screen TG 111  |
| Thermocouple type                         |                         | PT1000   |
| Dimensions                                |                         | mm 510 x 1000 x 930h   |
| Color                                     |                         | RAL 7016 - 7035  |
| Max.electrical cabinet temperature        |                         | °C 40  |
| Sound pressure level                      |                         | db (A) < 70  |
| Weight                                    |                         | kg 120   |
| Voltage                                   |                         | V/Ph/Hz 400/3/50hz<br>480/3/60hz (option)                          |

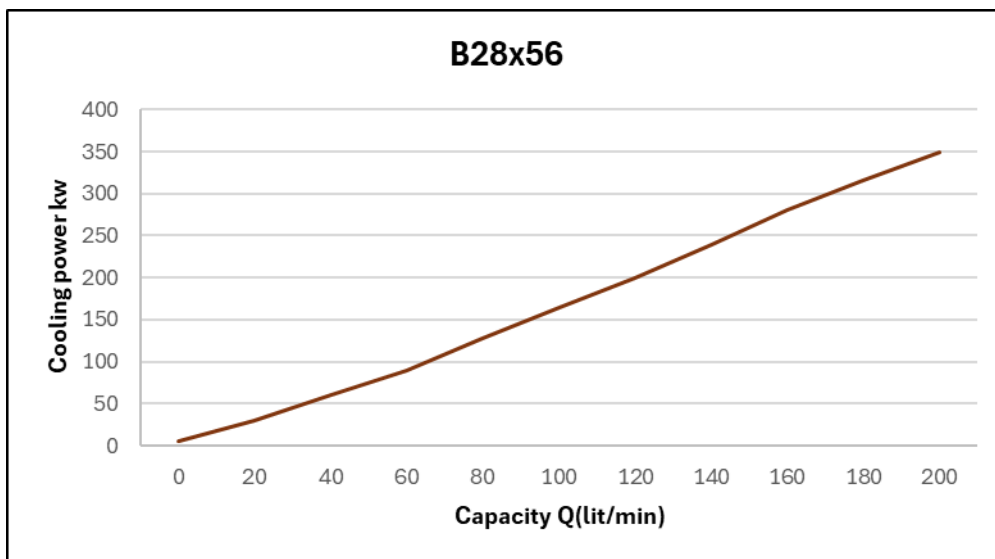
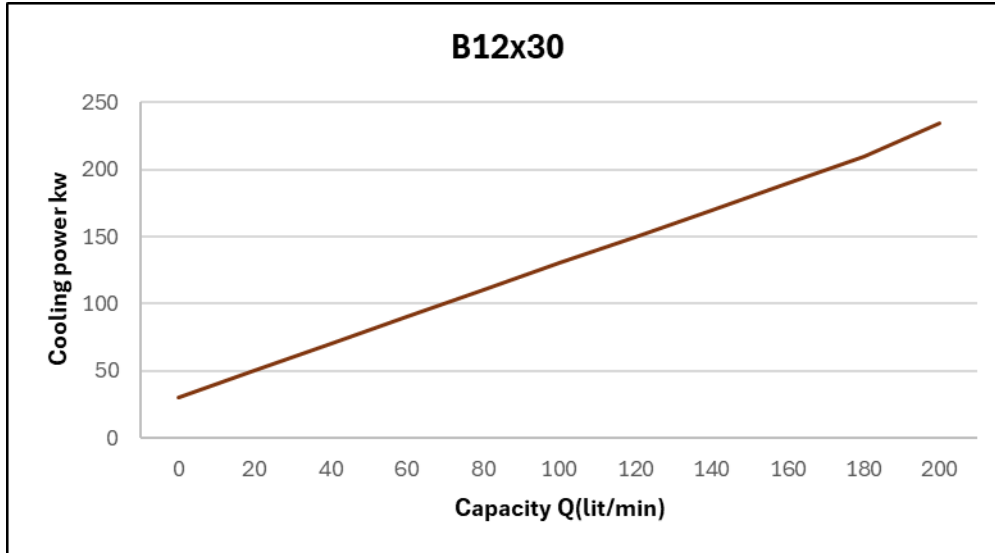
## Pump curve



## Cooling curves



## Plate exchangers (option)



Double coil standard

B12x30 Option

B28x56 Option