

Smart 4A TS

Oil temperature control unit for industrial applications up to 150°C in the field of plastic injection moulding, chemical, pharmaceutical, cosmetics or steel.

Main features

- Pump works under pressure
- 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
- Manual oil filling
- Standard pump 60 l/m 3,8 bar
- Indirect cooling system (submersible coil)
- One solenoid valve for cooling
- Entire heaters, tank, process pipes and thermocouple in stainless steel
- Oil level sensor through stainless steel buoy
- 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
- Electronic flow measurement
- Pumps 60 - 70 lit/min 5,8 bar / 200 lit/min 5,8 bar
- Pump frequency converter

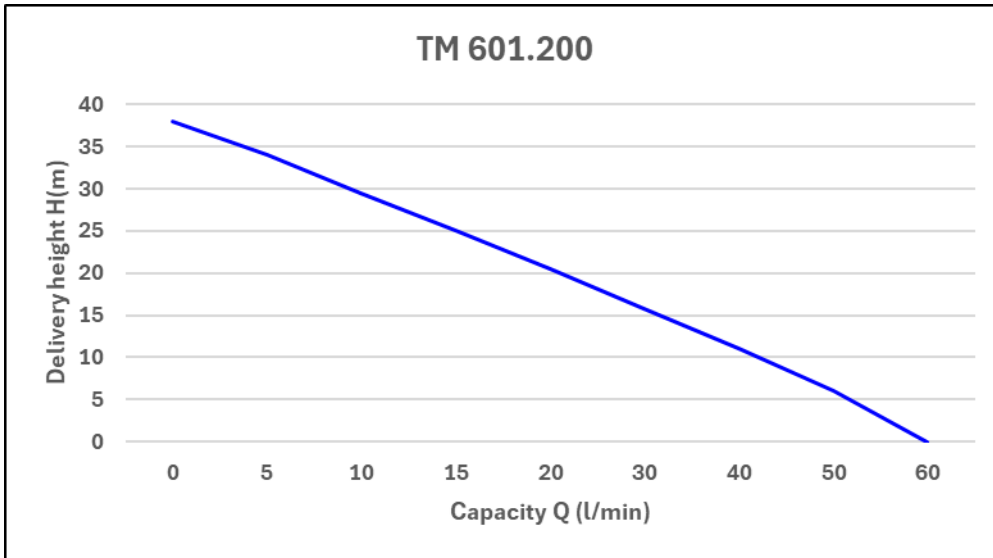


Technical datas

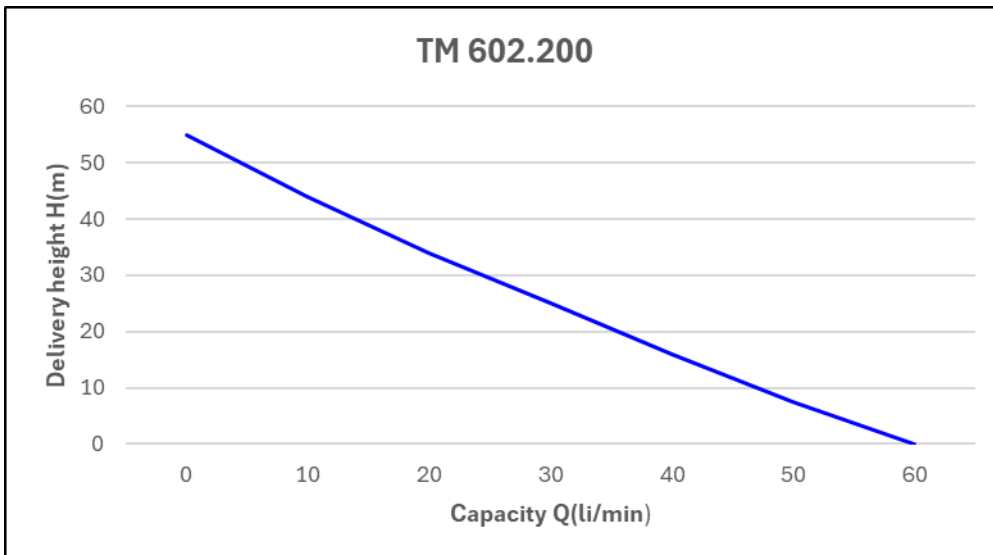
| Model | | SMART 4A TS |
|---|---|-----------------------------------|
| Fluid | | Oil |
| Maximum temperature | °C | 150 |
| PID temperature control heating / cooling | | Yes |
| Solid state relays + frontal cooler | | Yes |
| Heating power | Kw | 18 – 24 - 30 |
| Cooling power at 15°C | Kw | 30 |
| Tank capacity | Lit. | 35 |
| Expansion volume | Lit. | 11 |
| Pump TM 601.200 | Max.Flow Max.Pressure Motor power | 60 lit/min 3,8 bar 0,5 kw |
| Pump TM 602.200 (option) | Max.Flow Max.Pressure Motor power | 60 lit/min 5,8 bar 1 kw |
| Pump TM 701.200 (option) | Max.Flow Max.Pressure Motor power | 70 lit/min 5,8 bar 1 kw |
| Pump T 2001.200 (option) | Max.Flow Max.Pressure Motor power | 200 lit/min 5,8 bar 2,8 kw |
| Hydraulic process connections TM601-602-701 | inlet / outlet | 3/4" |
| Hydraulic cooling connections TM601-602-701 | inlet / outlet | 1/2" |
| Hydraulic process connections pump T2001 | inlet / outlet | 1 1/2" |
| Hydraulic cooling connections pump T2001 | inlet / outlet | 1" |
| PCB card | Touch screen | TG 111 |
| Thermocouple type | | PT1000 |
| Dimensions | mm | 355 x 750 x 790h |
| Color | RAL | 7016 - 7035 |
| Max. electrical cabinet temperature | °C | 40 |
| Sound pressure level | db (A) | < 70 |
| Weight | kg | 55 |
| Voltage | V/Ph/Hz | 400/3/50hz 480/3/60hz (option) |

Pumps curves

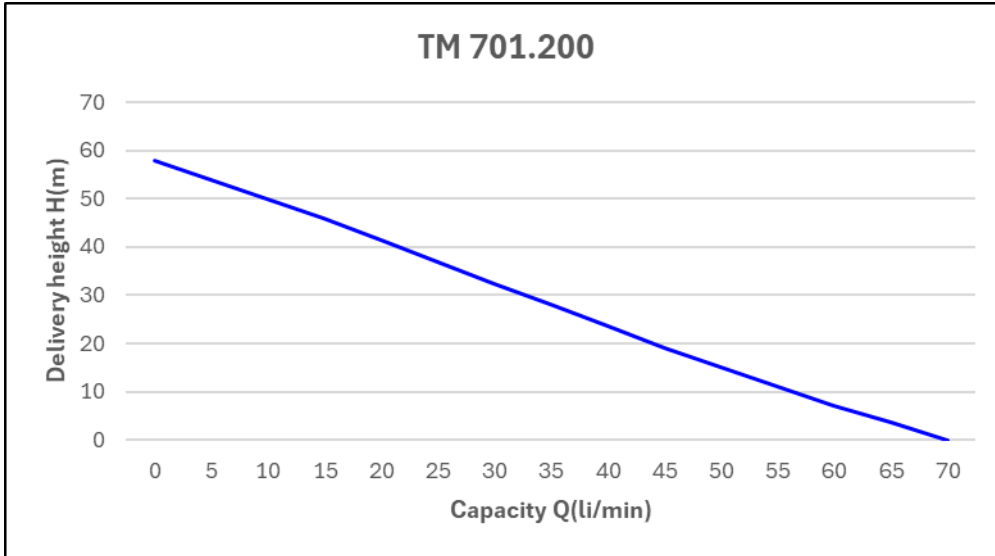
Standard pump



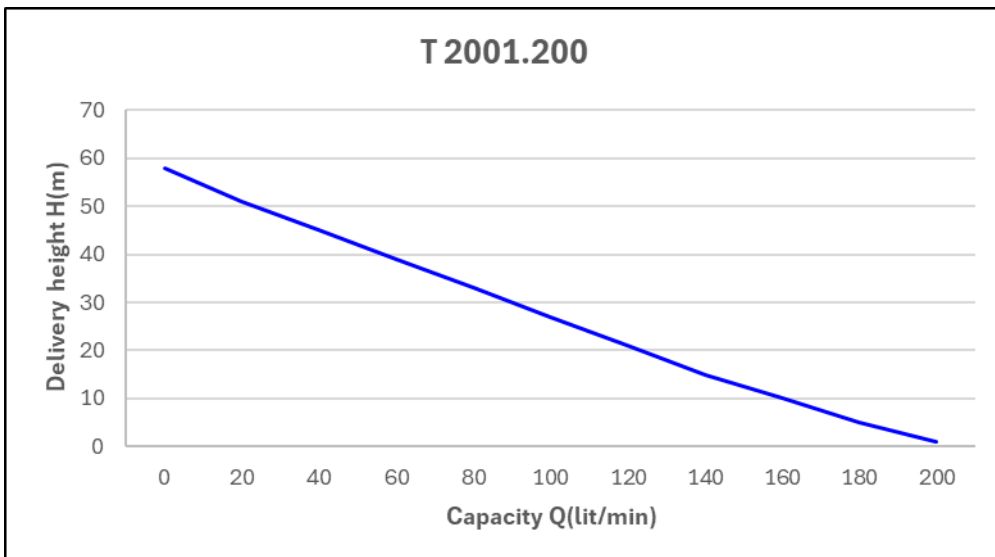
Optional pump



Optional pump



Optional pump



Cooling curve

