

## Smart 5A 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 200 l/m 5,8 bar
- Indirect cooling system (submersible double coil)
- One solenoide valve for cooling
- Entire heaters, tank, process pipes and thermocouple in stainless steel
- Oil level sensor through stainless steel buoy
- Electronic flow measurement
- Acoustic alarm
- Castors
- Pressure transducer
- Thermocouple in process return
- User friendly touch screen pcb card

### Options

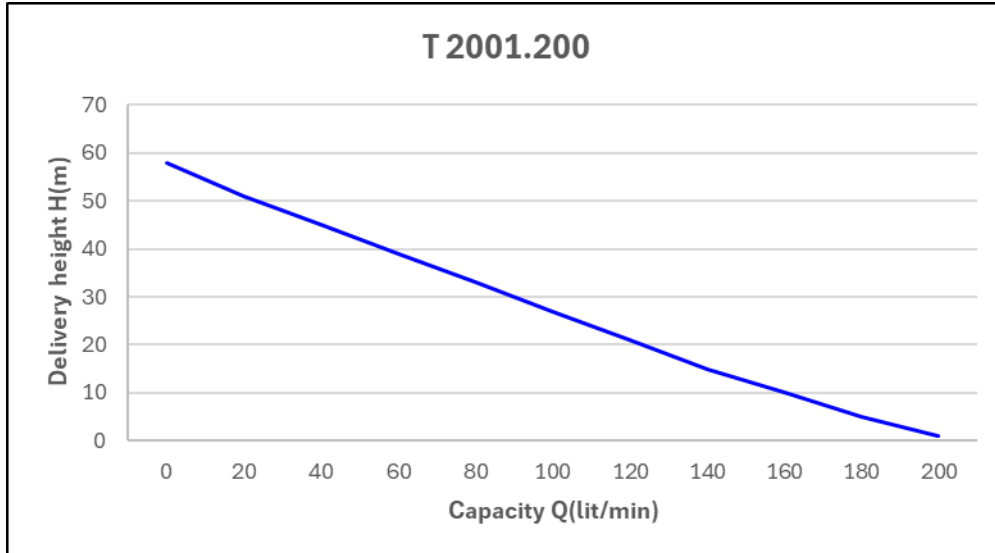
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Interface TTY 20mA, OPC UA, Profinet, RS 485, RS 232
- Multi polar connector for external signals
- Pump frequency converter



## Technical datas

Model		<b>SMART 5A TS</b>
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	60
Tank capacity	Lit.	70
Expansion volume	Lit.	24
Pump T 2001.200	Max.Flow Max.Pressure Motor power	200 lit/min 5,8 bar 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 480/3/60hz (option)

## Pump curve



## Cooling curve

