Smart 2A TS

Oil temperature control unit for industrial aplications up to 150ºC 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 solenoide 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

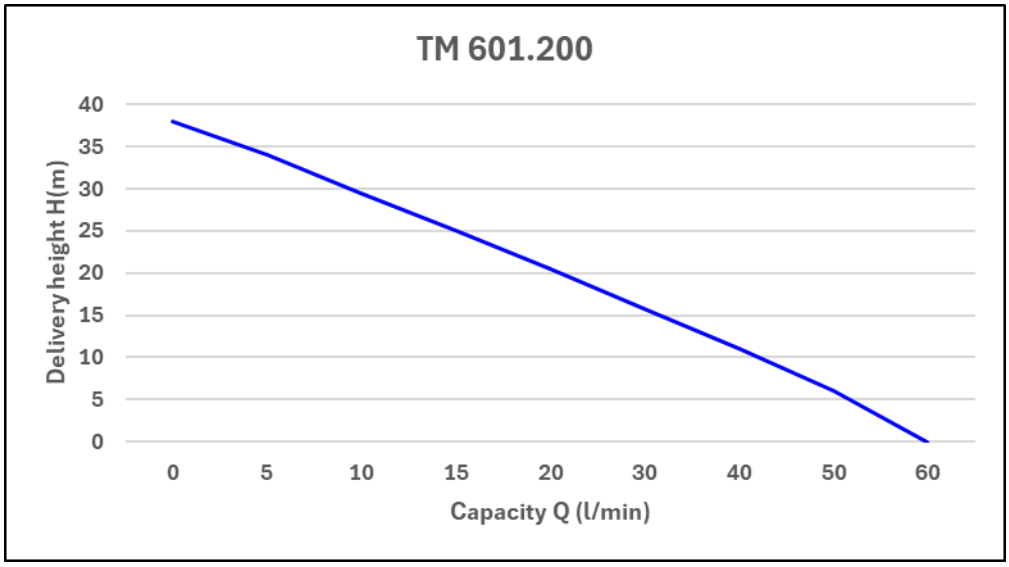
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Interface TTY 20mA, OPC UA, Profinet, RS 485, RS 232
- Multi polar connector for external signals
- Electronic flow measurement
- Pumps 60-70 lit/min 5,8 bar
- Pump frequency converter

Technical datas

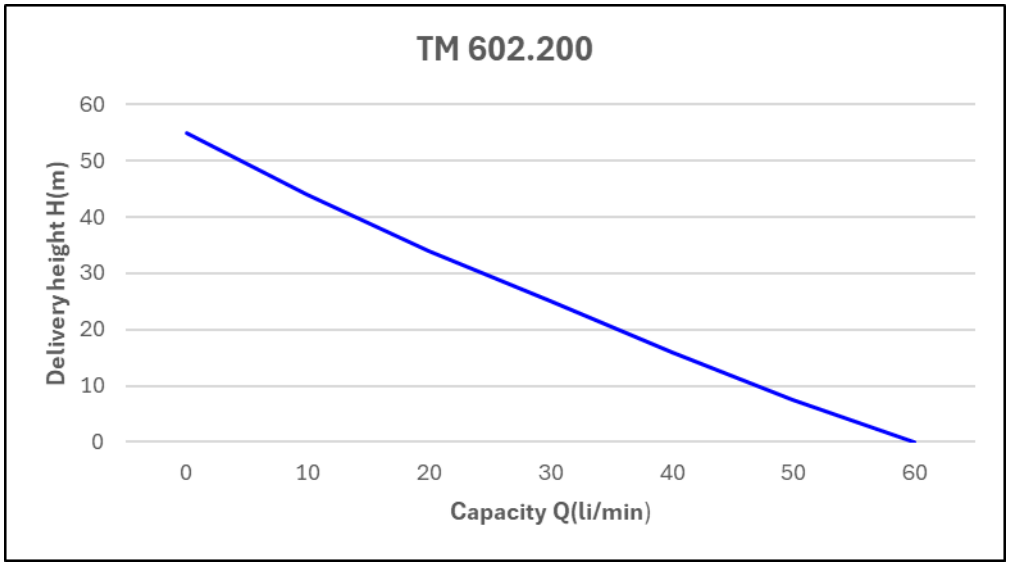
Model		SMART 2A TS
Fluid		Oil
Maximum temperature	ºC	150
PID temperature control heating / cooling		Yes
Solid state relays + frontal cooler		Yes
Heating power	Kw	6 - 9
Cooling power at 15ºC	Kw	20
Tank capacity	Lit.	20
Expansion volume	Lit.	7
Pump TM 601.200	Max.Flow Max.Pressure Motor power	60 lit/min 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
Hydraulic process connections	inlet / outlet	3/4"
Hydraulic cooling connections	inlet / outlet	1/2"
PCB card	Touch screen	TG 111
Thermocouple type		PT1000
Dimensions	mm	325 x 610 x 700h
Color	RAL	7016 - 7035
Max. electrical cabinet temperature	ºC	40
Sound pressure level	db (A)	< 70
Weight	kg	40
Voltage	V/Ph/Hz	400/3/50hz 480/3/60hz (option)

Pumps curves

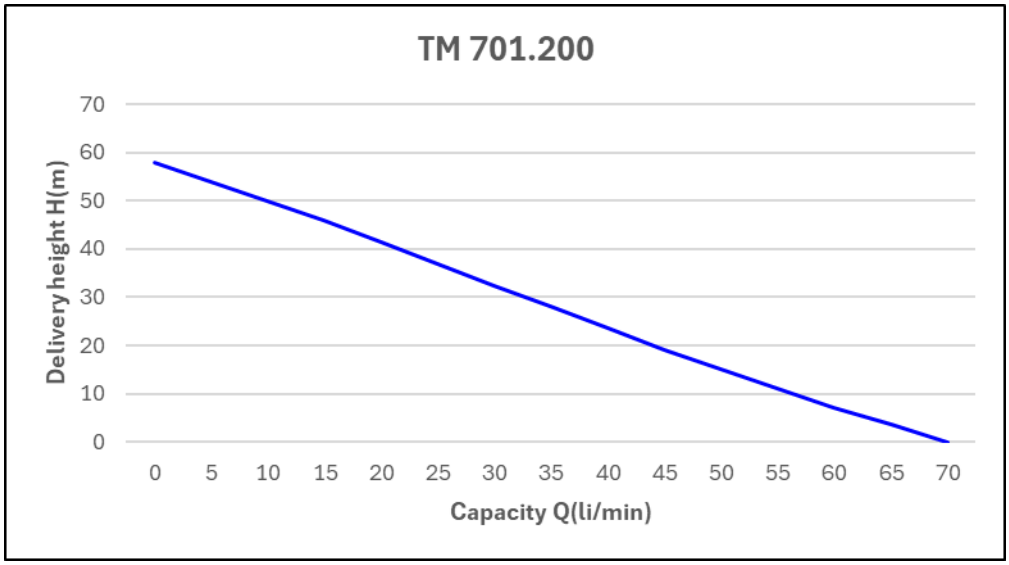
Standard pump



Optional pump



Optional pump



Cooling curve