Smart 4A

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
- Manometer
- User friendly digital control display

Options

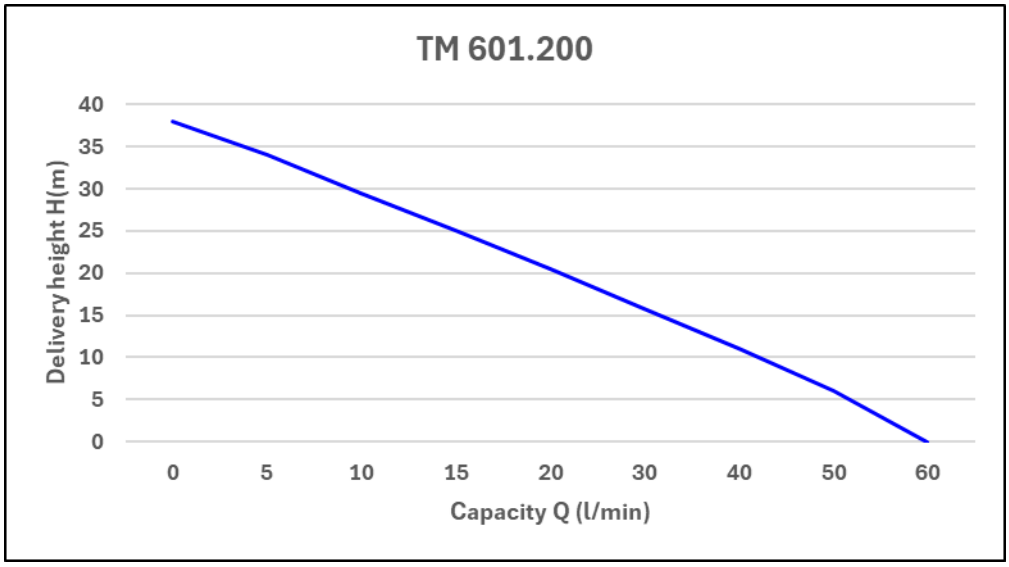
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Electronic flow measurement
- Pumps 60 - 70 lit/min 5,8 bar / 200 lit/min 5,8 bar
- Pressure transducer / thermocouple in process return

Technical datas

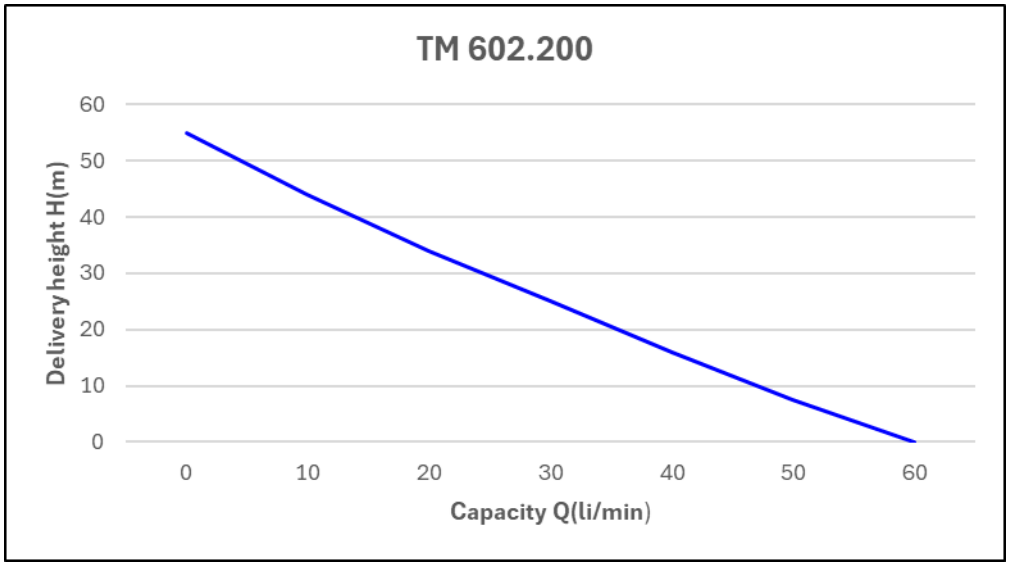
Model		SMART 4A
Fluid		Oil
Maximum temperature	ºC	150
PID temperature control heating / cooling		Yes
Heating power	Kw	18 – 24 - 30
Cooling power at 15ºC	Kw	30
Tank capacity	Lit.	35
Expansion volume	Lit.	11
Pump TM 601.200	Max.Flow Max.Pressure Motor power	60 lit/min 3,8 bar 0,5 kw
Pump TM 602.200 (option)	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	11/2”"
Hydraulic cooling connections pump T2001	inlet / outlet	1”
PCB card	Displays	TG 121
Thermocouple type		J type (option PT1000)
Dimensions	mm	355 x 750 x 790h
Color	RAL	7016 - 7035
Max. electrical cabinet temperature	ºC	40
Sound pressure level	db (A)	< 70
Weight	kg	55
Voltage	V/Ph/Hz	400/3/50hz 480/3/60hz (option)

Pumps curves

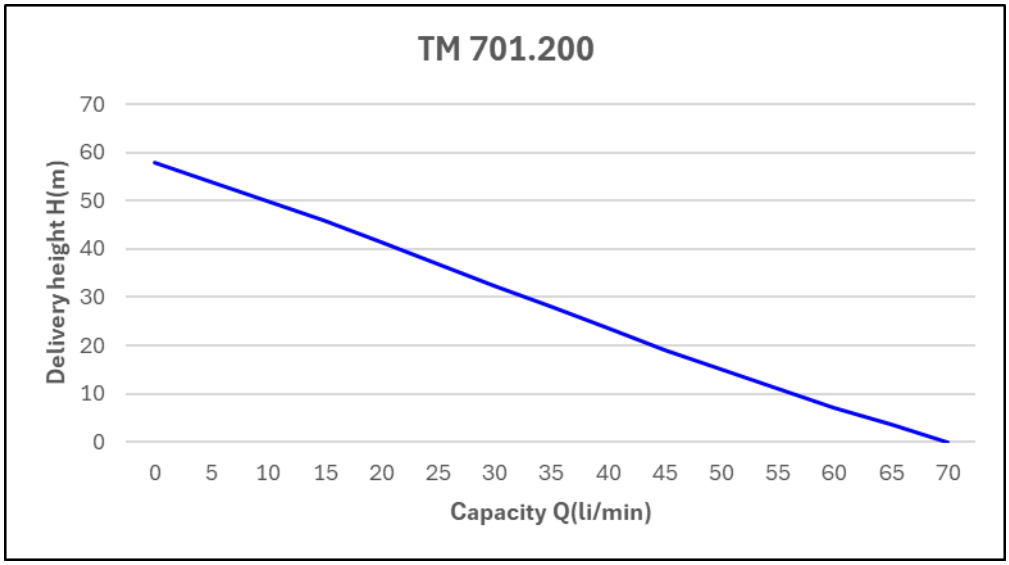
Standard pump



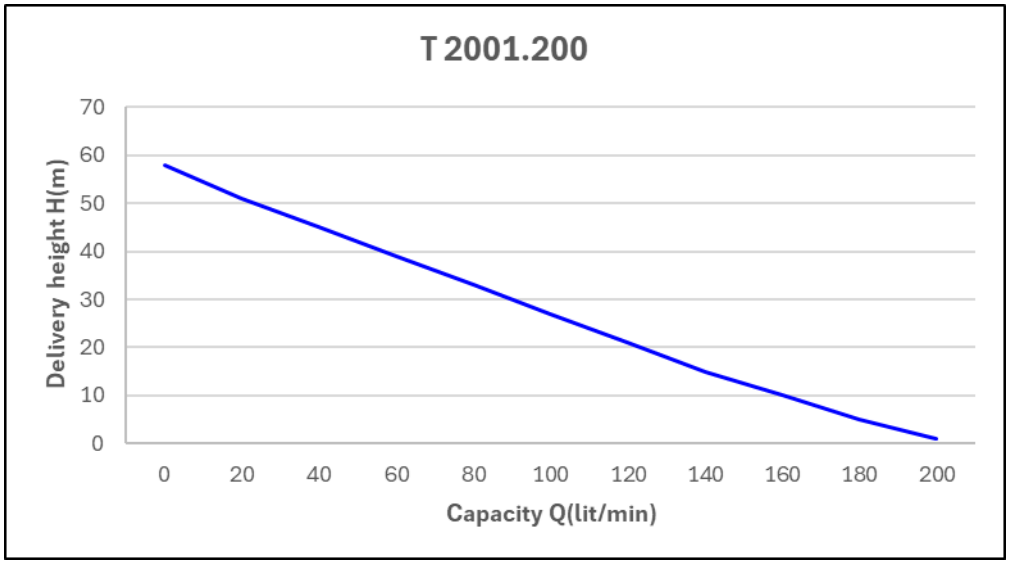
Optional pump



Optional pump



Optional pump



Cooling curve