

Smart 2W

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
- 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 60 l/m 3,8 bar
- Indirect cooling system
- 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
- 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
- Plate exchanger 20 or 40 plates
- Manual mould drain
- Pressure transducer / thermocouple in process return

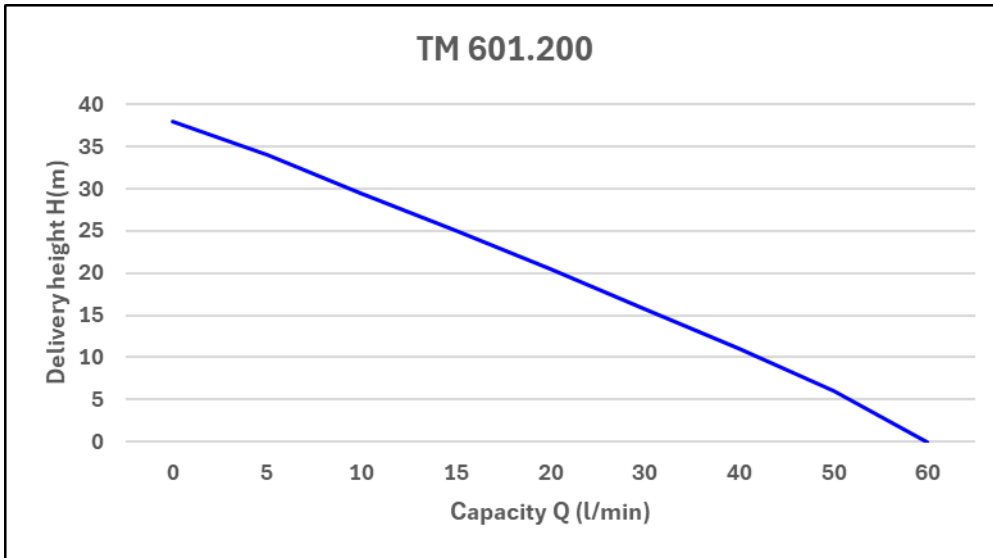


Technical datas

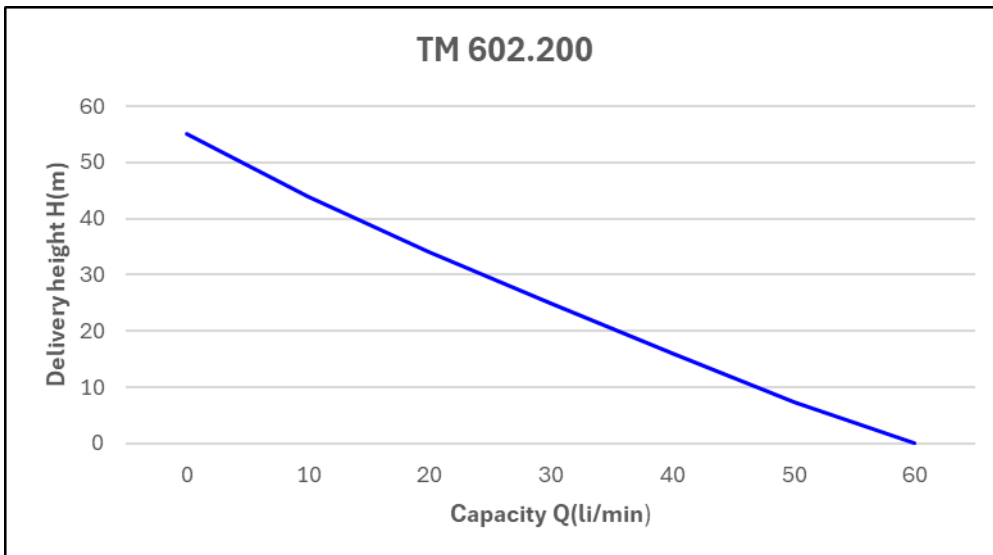
Model		SMART 2W
Fluid		Water
Maximum temperature		°C 90
PID temperature control heating / cooling		Yes
Heating power		Kw 9 - 12 - 18
Cooling power at 15°C	E5Tx10	65
	E5Tx20	90
	E5Tx40	120
Tank capacity		Lit. 20
Expansion volume		Lit. 7
Pump TM 601.200		Max.Flow 60 lit/min Max.Pressure 3,8 bar Motor power 0,5 kw
Pump TM 602.200 (option)		Max.Flow 60 lit/min Max.Pressure 5,8 bar Motor power 1 kw
Pump TM 701.200 (option)		Max.Flow 70 lit/min Max.Pressure 5,8 bar Motor power 1 kw
Hydraulic process connections		inlet / outlet 3/4"
Hydraulic cooling connections		inlet / outlet 1/2"
PCB card		Displays TG 121
Thermocouple type		J type (option PT1000)
Dimensions		mm 325 x 610 x 700h
Color		RAL 7016 - 7035
Max. electrical cabinet temperature		°C 40
Sound pressure level		db (A) < 70
Weight		kg 40
Voltage		V/Ph/Hz 400/3/50hz 480/3/60hz (option)

Pumps curves

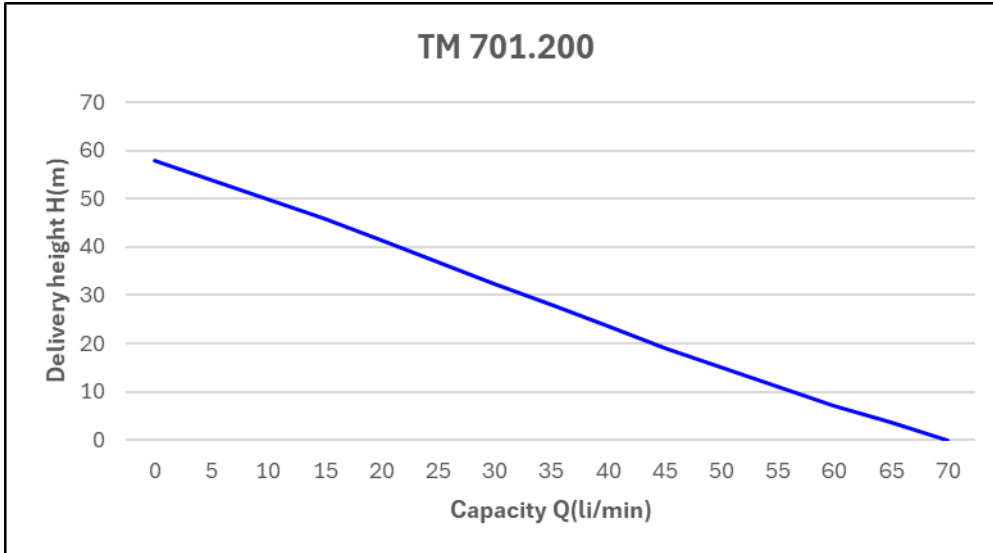
Standard pump



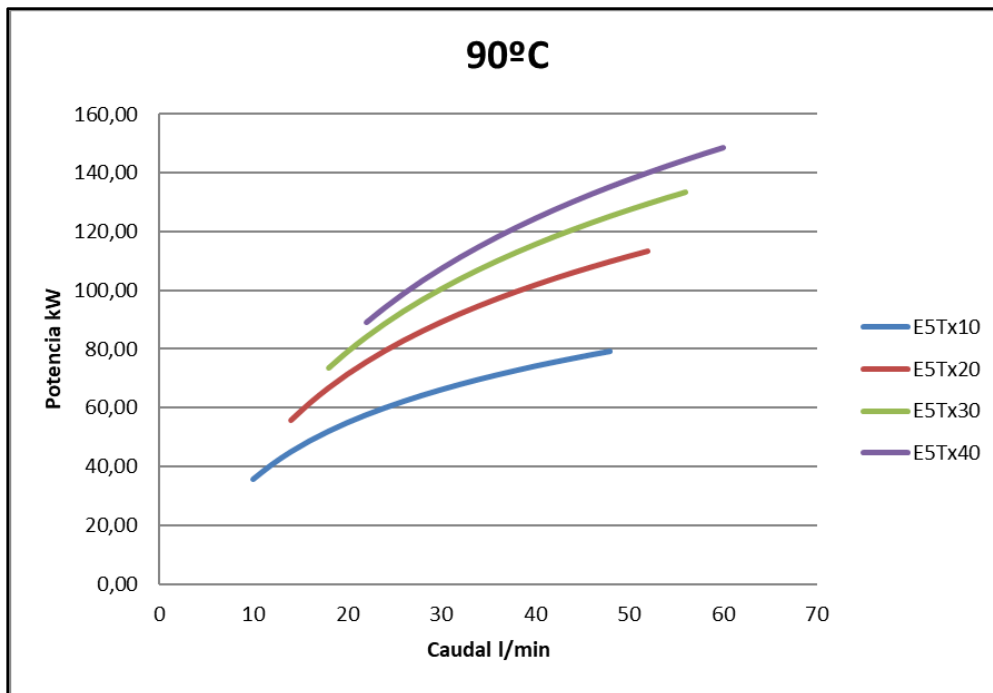
Optional pump



Optional pump



Cooling curves



E5Tx10 Standard plate exchanger

E5Tx20 Option

E5Tx40 Option