

Smart Basic

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
- PID temperature control in cooling and heating process
- Hose breakage and leakage monitor
- Sensor failure monitor
- Automatic water filling
- 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
- User friendly digital control display

Options

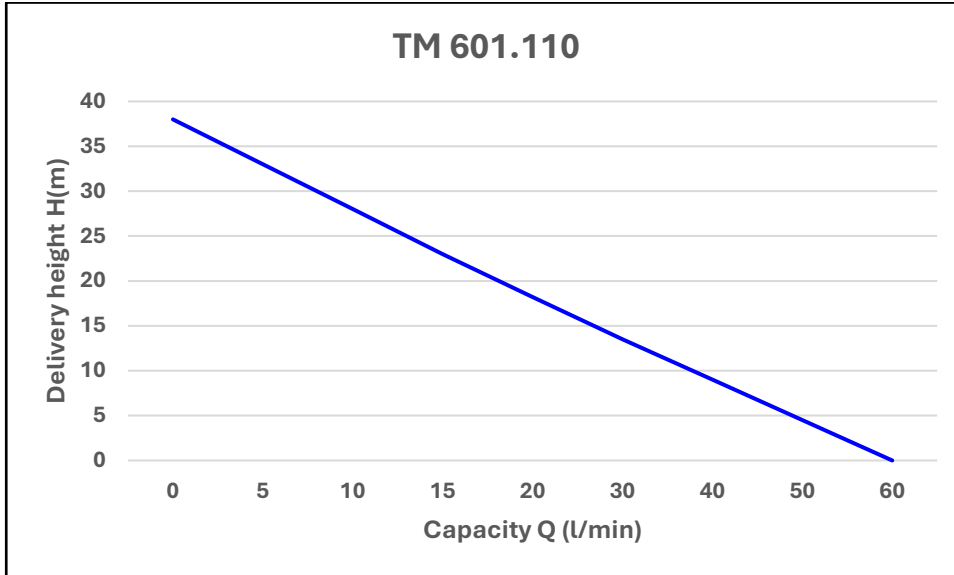
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Electronic flow measurement
- Solid state relays for heating
- Pressure transducer / thermocouple in process return
- Manometer



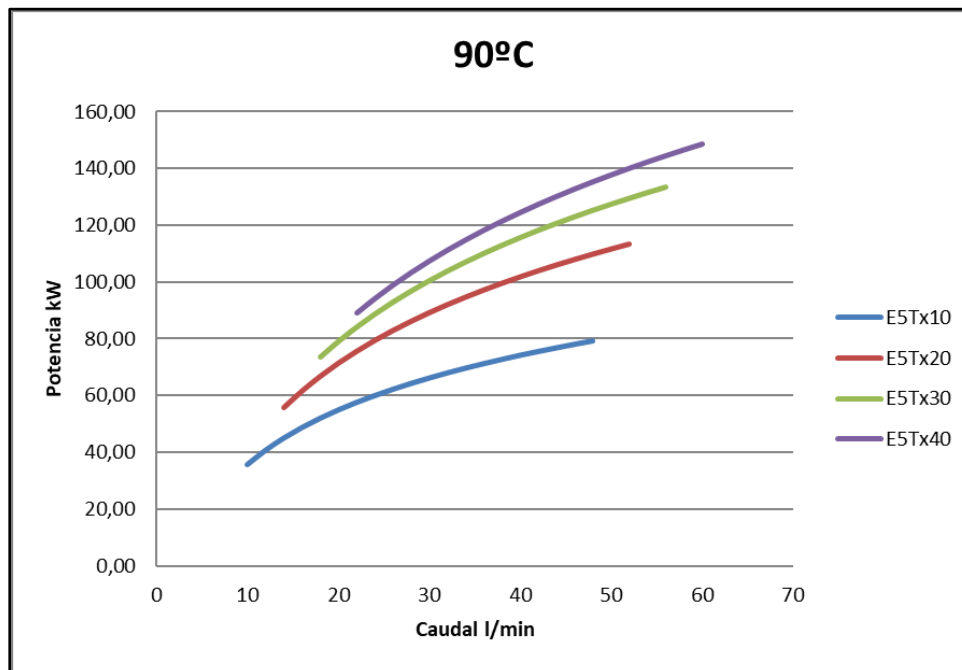
Technical datas

Model		SMART BASIC
Fluid		Water
Maximum temperature	°C	90
PID temperature control heating / cooling		Yes
Heating power	Kw	3 or 6
Cooling power at 15°C	E5Tx10	65
Tank capacity	Lit.	8
Expansion volume	Lit.	2
Pump TM 601.110	Max.Flow	60 lit/min
	Max.Pressure	3,8 bar
	Motor power	0,5 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	230 x 450 x 380h
Color	RAL	7016 - 7035
Max. electrical cabinet temperature	°C	40
Sound pressure level	db (A)	< 70
Weight	kg	35
Voltage	V/Ph/Hz	400/3/50hz 480/3/60hz (option)

Pump curve



Cooling curve



Only E5Tx10 plate exchanger is available