

Smart 5A 180TS

Oil temperature control unit for industrial applications up to 180°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 60 l/m 6 bar
- Indirect cooling system
- One solenoid valve for cooling
- Entire heaters, tank, process pipes and thermocouple in stainless steel
- Oil level sensor through stainless steel buoy
- Electronic flow measurement
- Expansion tank
- Acoustic alarm
- Castors
- Pressure transducer
- Thermocouple in process return
- User friendly touch screen pcb card

Options

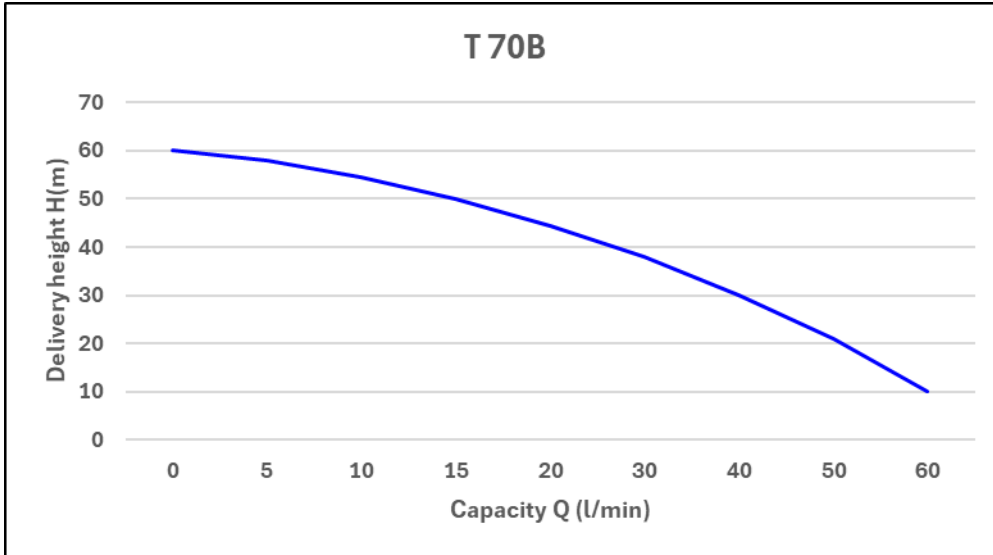
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Interface TTY 20mA, OPC UA, Profinet, RS 485, RS 232
- Multi polar connector for external signals
- Pump frequency converter



Technical datas

Model		SMART 5A 180TS
Fluid		Oil
Maximum temperature		°C 180
PID temperature control heating / cooling		Yes
Solid state relays + frontal cooler		Yes
Heating power		Kw 9 - 16
Cooling power at 15°C	LAX10	Kw 40
	LAX20	Kw 60
Capacity heating cylinder		Lit. 5
Capacity expansion tank		Lit. 9
Centrifugal pump T70B		Max.Flow 60 lit/min Max.Pressure 6 bar Motor power 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 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 curves

