

## Smart 2 WIC 180TS

Water temperature control unit for industrial applications up to 180°C in the field of plastic injection moulding, chemical, pharmaceutical, cosmetics or steel.

### Main features

- Magnetic pump
- Booster pump
- Pump works under pressure
- Electronic flow measurement
- 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
- Automatic water filling
- 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
- 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
- Plate exchanger LAx20
- Automatic mould drain

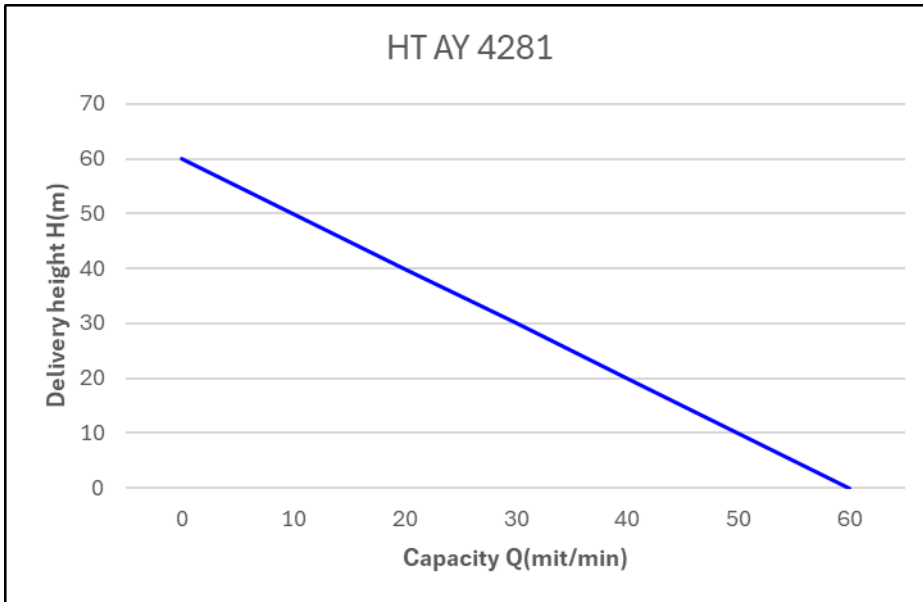


## Technical datas

Model		<b>SMART 2 WIC180 TS</b>	
Fluid		Water	
Maximum temperature		°C	180
PID temperature control heating / cooling		Yes	
Solid state relays + frontal cooler		Yes	
Heating power		Kw	9
Cooling power at 15°C	LAx10	Kw	40
	LAx20		60
Capacity heating cylinder		Lit.	5,12
Magnetic pump HTAY4281		Max.Flow Max.Pressure Motor power	60 lit/min 6 bar 1 Kw
Hydraulic process connections		inlet / outlet	1"
Hydraulic cooling connections		inlet / outlet	½"
PCB card		Touch screen	TG 111
Thermocouple type		PT1000	
Dimensions		mm	330 x 625 x 790h
Color		RAL	7016 - 7035
Max. electrical cabinet temperature		°C	40
Sound pressure level		db (A)	< 70
Weight		kg	65
Voltage		V/Ph/Hz	400/3/50hz 480/3/60hz (option)

## Pump curve

Magnetic pump



## Cooling curves

