Smart 6 plus A300TS

Oil temperature control unit for industrial aplications up to 300ºC in the field of plastic injection moulding, chemical, pharmaceutical, cosmetics or steel.

Main features

- Magnetic 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
- Indirect cooling system
- One solenoide valve for cooling
- Entire heaters, tank, process pipes and thermocouple in stainless steel
- Oil level sensor through stainless steel buoy
- Expansion tank
- Acoustic alarm
- Castors
- Pressure transducer
- Thermocouple in process return
- User friendly touch screen pcb card

Options

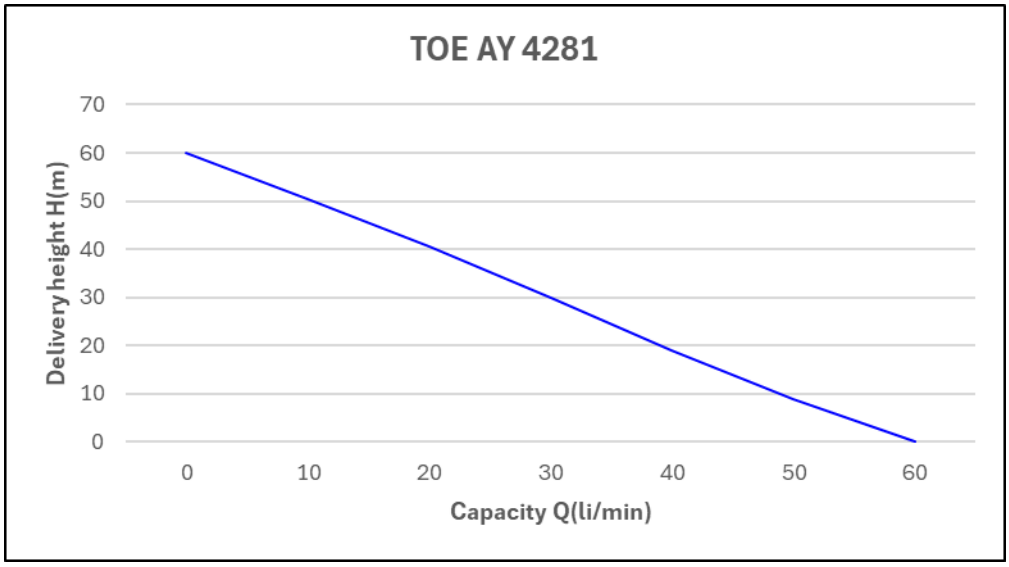
- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Interface TTY 20mA, OPC UA, Profinet, RS 485, RS 232
- Multi polar connector for external signals
- Pump frequency converter
- Tubular cooling system

Technical datas

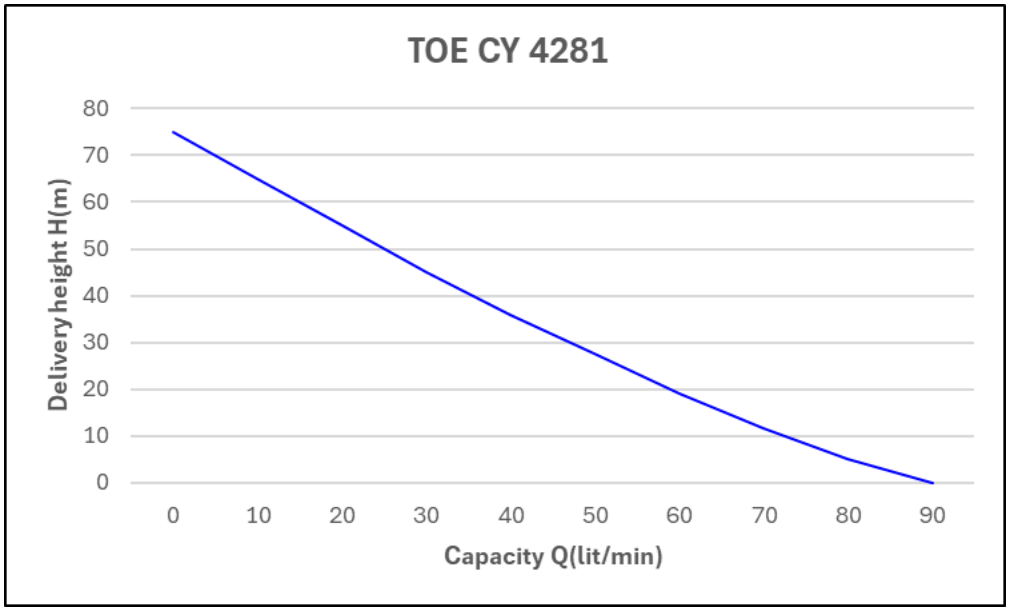
Model			SMART 6 plus A300TS		
Fluid			Oil		
Maximum temperature		ºC	300		
PID temperature control heating / cooling			Yes		
Solid state relays + frontal cooler			Yes		
Heating power		Kw	9 - 18	27 - 36	45-54-63-72
Cooling power at 15ºC	Coaxial system	Kw	85	85	120
	Tubular system		230		
Capacity heating cylinders		Lit.	16	16	32
Capacity expansion tanks		Lit.	30	30	60
Magnetic pump		Max.Flow Max.Pressure Motor power	60 l/min 6 bar 1 kw	90 l/min 8 bar 1,5 kw	200 l/min 8 bar 4 kw
Hydraulic process connections		inlet / outlet	¾"		11/4"
Hydraulic cooling connections		inlet / outlet	½"		¾"
PCB card		Touch screen	TG 111		
Thermocouple type			PT1000		
Dimensions		mm	600 x 1250 x 13000h		
Color		RAL	7016 - 7035		
Max. electrical cabinet temperature		ºC	40		
Sound pressure level		db (A)	< 70		
Weight		kg	210		250
Voltage		V/Ph/Hz	400/3/50hz 480/3/60hz (option)		

Pumps curves

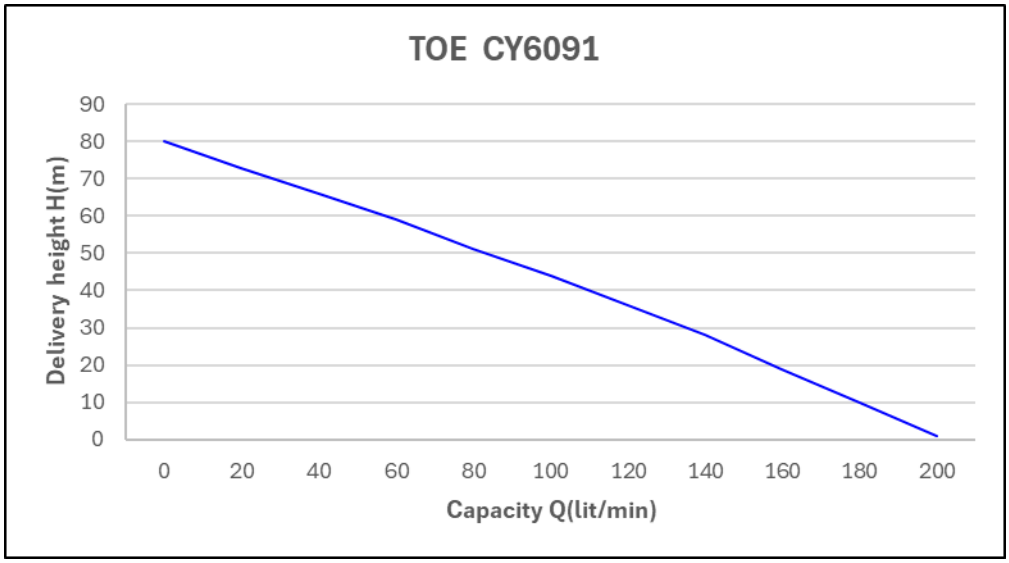
TCU´s 9-18 kw



TCU´s 27-36 kw



TCU´s 45 to 72 kw



Cooling curves