

Smart 4 WIC 140TS

Water temperature control unit for industrial applications up to 140°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
- 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
- Electronic flow measurement
- Booster pump
- Magnetic pumps 40lit/min – 60 lit/min
- Frequency converter only for magnetic pumps
- Plate exchanger E5Tx20 – E5Tx40
- Automatic mould drain

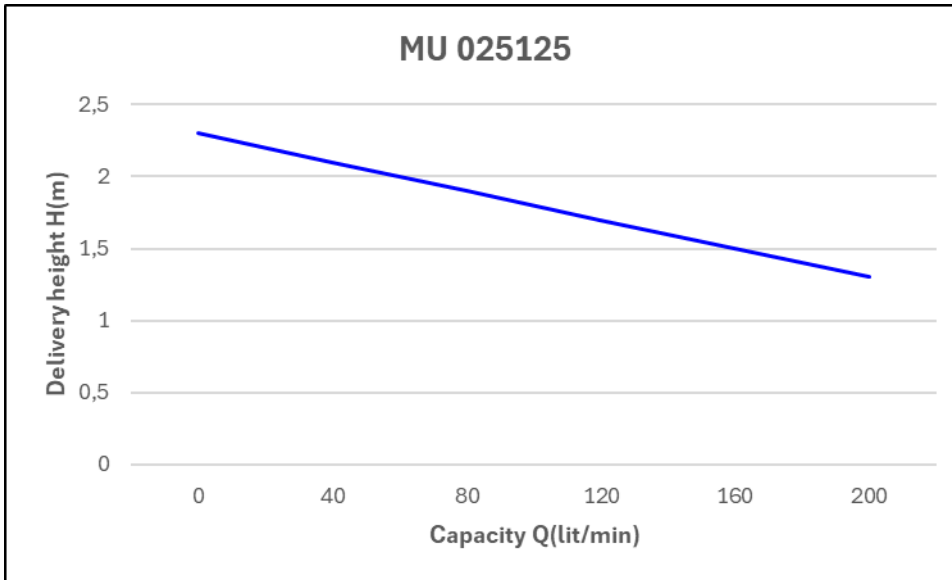


Technical datas

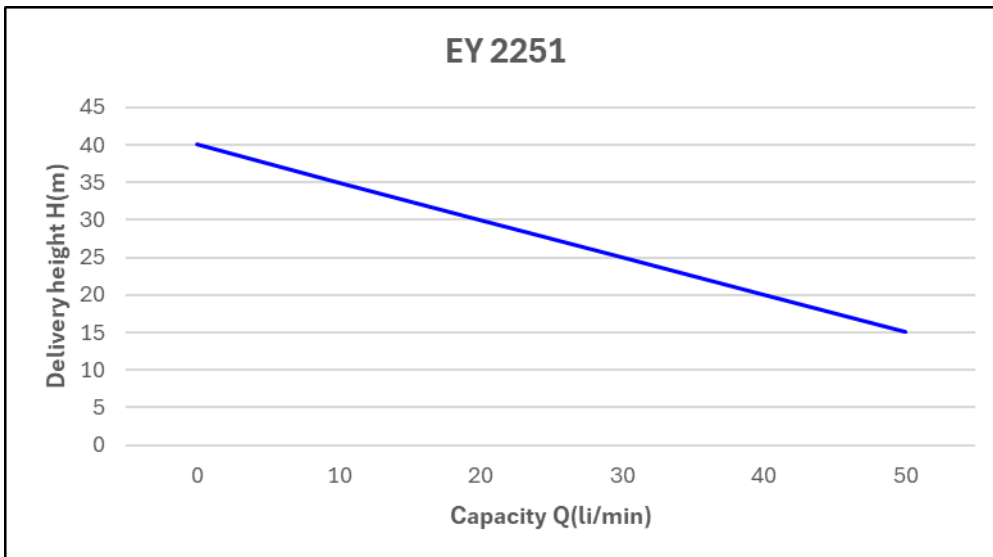
Model		SMART 4 WIC140 TS
Fluid		Water
Maximum temperature		°C 140
PID temperature control heating / cooling		Yes
Solid state relays + frontal cooler		Yes
Heating power		Kw 9 - 16
Cooling power at 15°C	E5Tx10	Kw 40 60 80
	E5Tx20	
	E5Tx40	
Capacity heating cylinder		Lit. 9,6
Centrifugal pump MU025125		Max.Flow Max.Pressure Motor power 200 lit/min 2,5 bar 1 Kw
Magnetic pump EY2251		Max.Flow Max.Pressure Motor power 40 lit/min 5 bar 0.5 Kw
Magnetic pump EY4281		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 390 x 800 x 850h
Color		RAL 7016 - 7035
Max. electrical cabinet temperature		°C 40
Sound pressure level		db (A) < 70
Weight		kg 85
Voltage		V/Ph/Hz 400/3/50hz 480/3/60hz (option)

Pumps curves

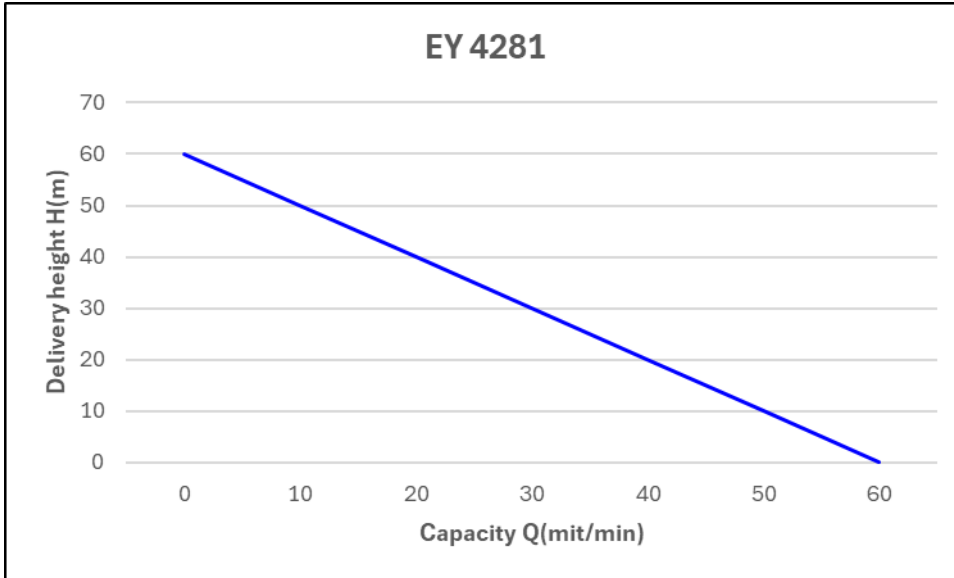
Standard pump



Optional pump (magnetic)



Optional pump (magnetic)



Cooling curves

