

## Smart 4 WDC 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
- Direct cooling system
- Two independent solenoid valves one for cooling one for filling
- Entire 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
- Magnetic pumps 40lit/min – 60 lit/min
- Frequency converter only for magnetic pumps
- Automatic mould drain

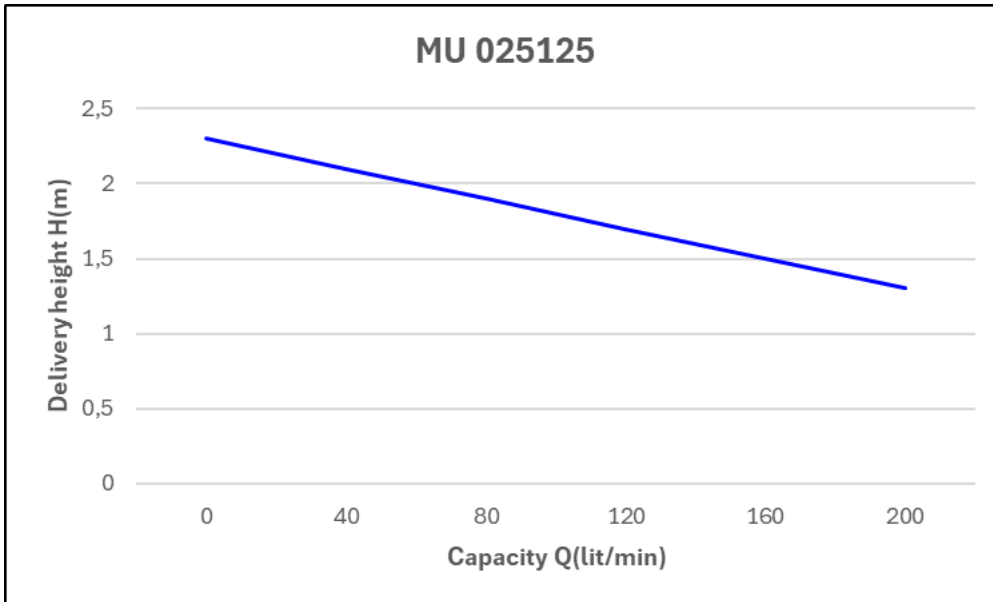


## Technical datas

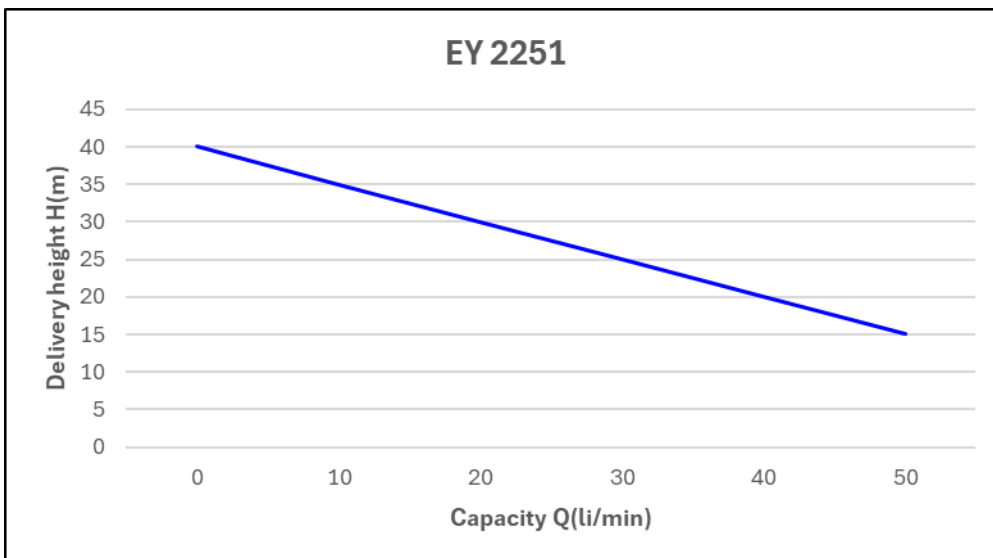
Model		<b>SMART 4 WDC 140TS</b>
Fluid		Water
Maximum temperature	°C	140
PID temperature control heating / cooling		Yes
Solid state relays + frontal cooler		Yes
Heating power	Kw	9 - 16
Direct cooling	Kw	--
Capacity heating cylinder	Lit.	9,6
Centrifugal pump MU025125	Max.Flow Max.Pressure Motor power	200 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	70
Voltage	V/Ph/Hz	400/3/50hz 480/3/60hz (option)

## Pumps curves

### Standard pump



### Optional pump (magnetic)



Optional pump (magnetic)

