

Smart 4 WDC 90

Water temperature control unit for industrial applications up to 90°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
- User friendly digital control display

Options

- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Electronic flow measurement
- Magnetic pumps 40lit/min – 60 lit/min
- Pressure transducer / Thermocouple in process return

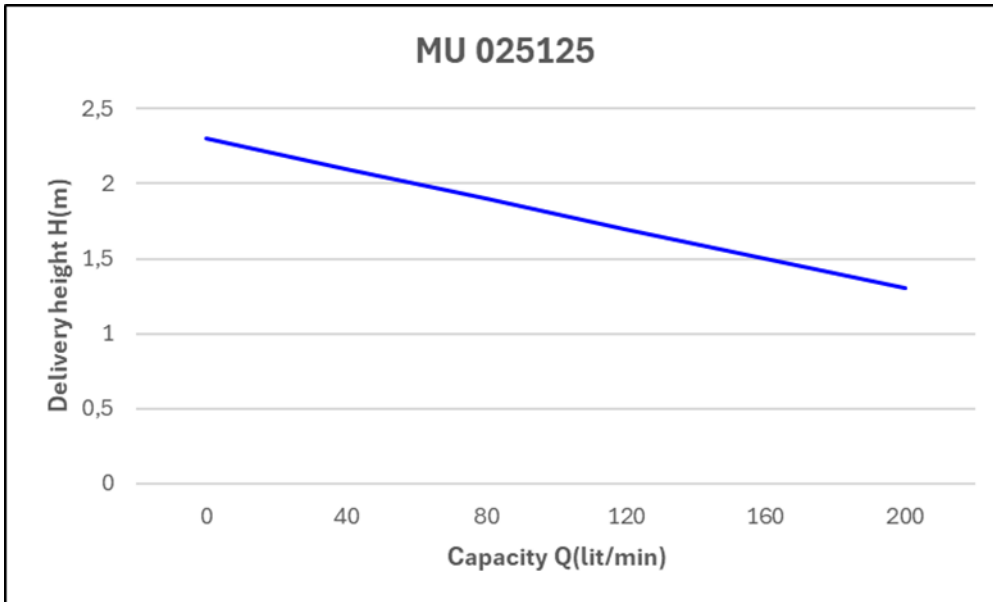


Technical datas

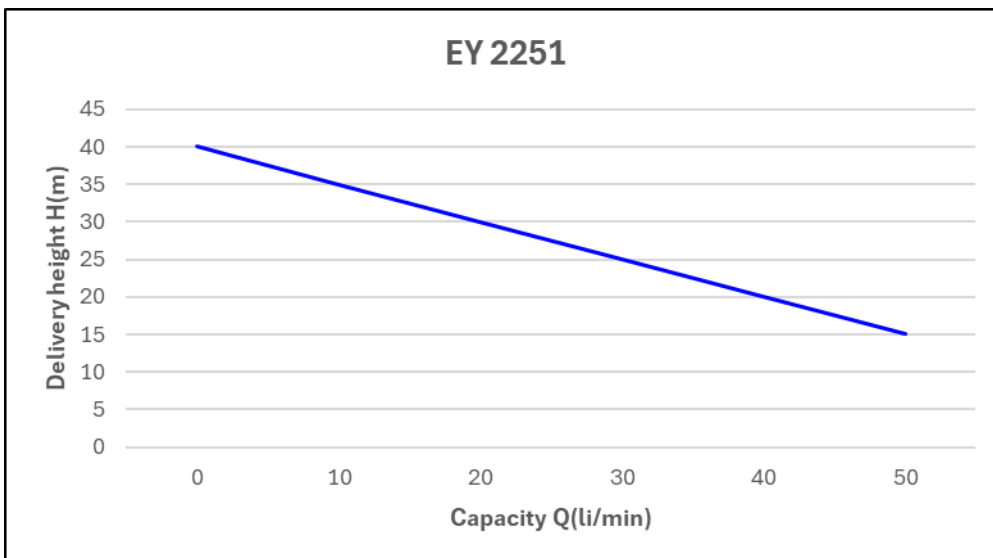
Model		SMART 4 WDC 90
Fluid		Water
Maximum temperature	°C	90
PID temperature control heating / cooling		Yes
Solid state relays + frontal cooler		Yes
Heating power	Kw	9 -16
Direct cooling	Kw	--
Capacity heating cylinder	Lit.	9,6
Centrifugal pump MU025125	Max.Flow Max.Pressure Motor power	200 lit/min 2,5 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	Displays	TG 121
Thermocouple type		J type (option 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)

