

Smart 2 WIC 140

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
- User friendly digital control display

Options

- Analogic Input/Output temperature 4...20mA / 0-10 volt
- Electronic flow measurement
- Booster pump
- Magnetic pumps 40lit/min – 60 lit/min
- Plate exchanger E5x20 – E5x40
- Pressure transducer / Thermocouple in process return

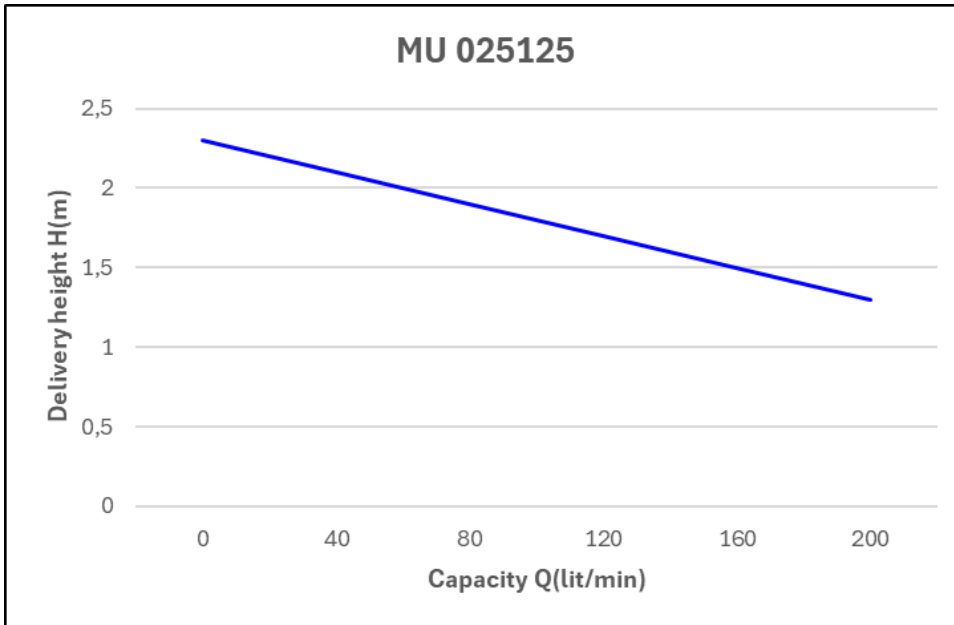


Technical datas

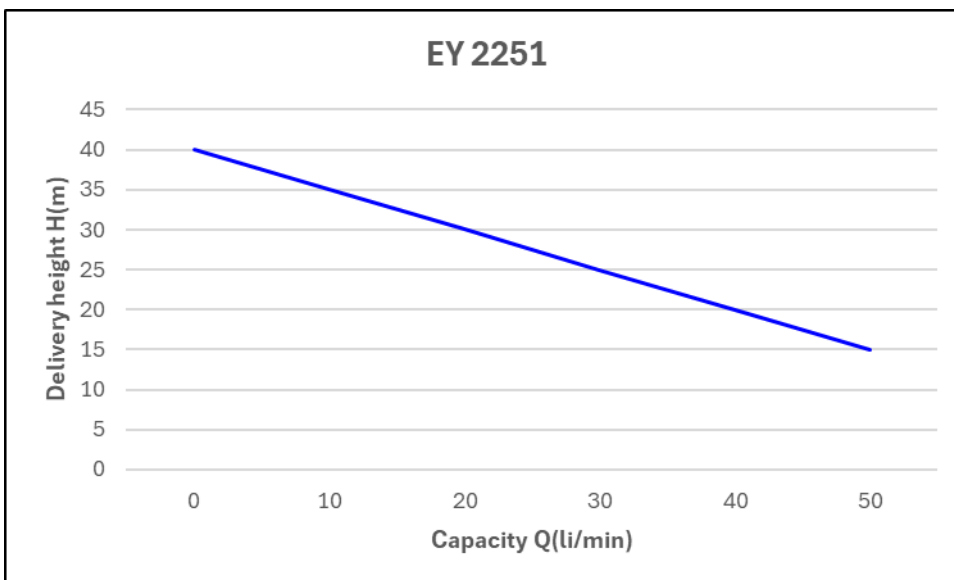
Model		SMART 2 WIC140
Fluid		Water
Maximum temperature		°C 140
PID temperature control heating / cooling		Yes
Solid state relays + frontal cooler		Yes
Heating power		Kw 9
Cooling power at 15°C	E5Tx10	Kw 40 60 80
	E5Tx20	
	E5Tx40	
Capacity heating cylinder		Lit. 5,12
Centrifugal pump MU025125		Max.Flow Max.Pressure Motor power 200 lit/min 2,3 bar 0,5 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 330 x 625 x 790h
Color		RAL 7016 - 7035
Max. electrical cabinet temperature		°C 40
Sound pressure level		db (A) < 70
Weight		kg 55
Voltage		V/Ph/Hz 400/3/50hz 480/3/60hz (option)

Pumps curves

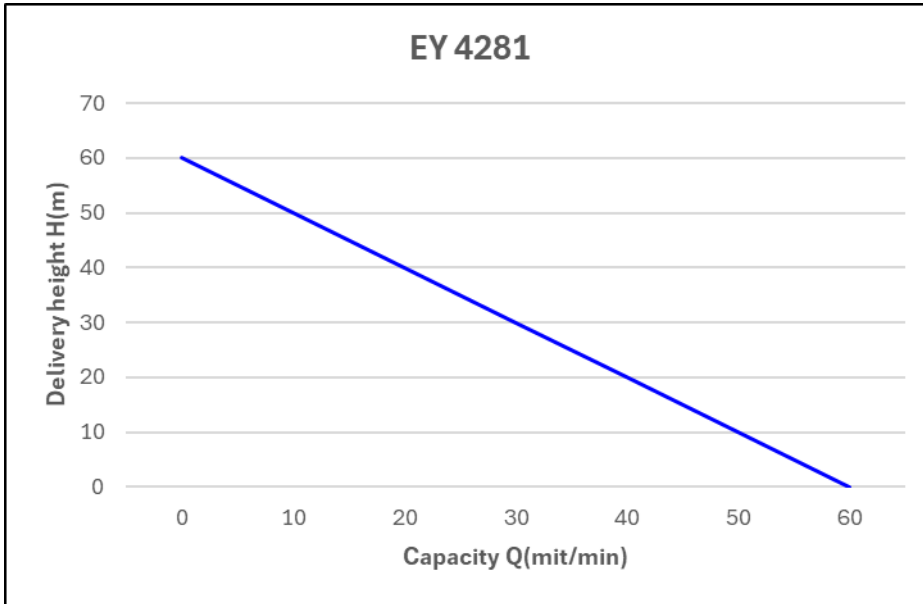
Standard pump



Optional pump (magnetic)



Optional pump (magnetic)



Cooling curves

