

Smart 4 WDC 90TS

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
- 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

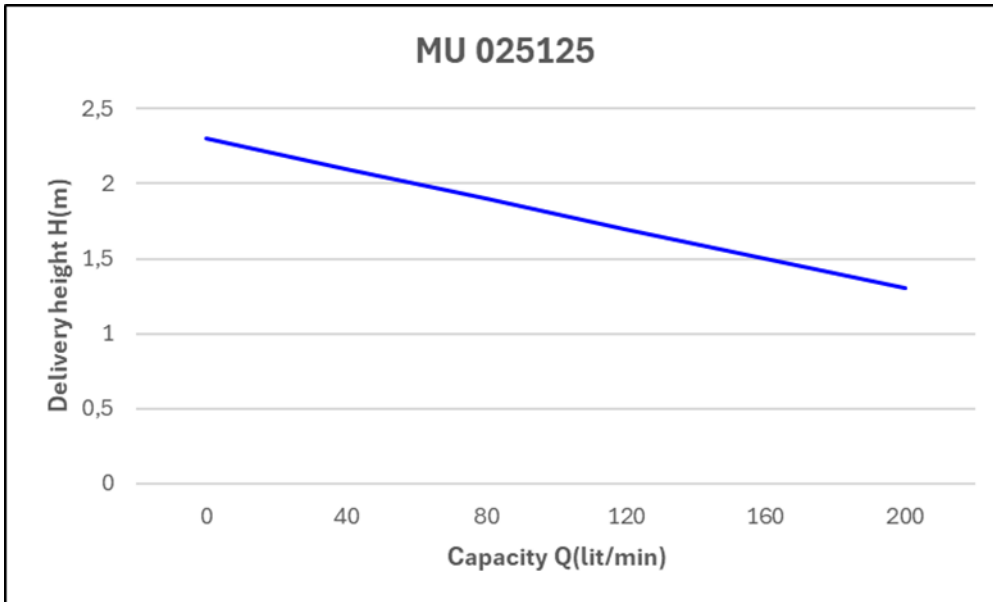


Technical datas

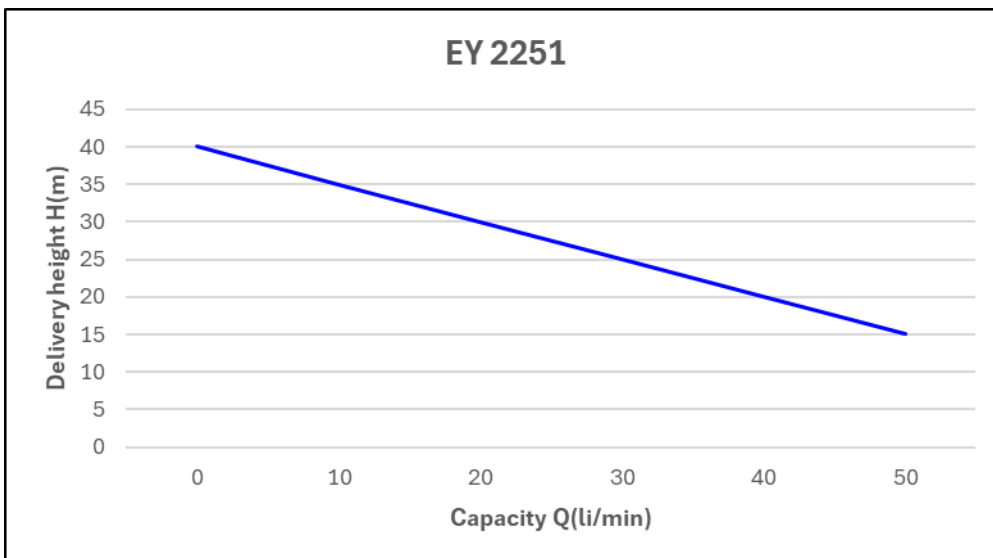
| Model | | SMART 4 WDC 90TS |
|-------------------------------------------|-----------------------------------------|-----------------------------------|
| Fluid | | Water |
| Maximum temperature | °C | 90 |
| PID temperature control heating / cooling | | Yes |
| Solid state relays + frontal cooler | | 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 | 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)

