

## Smart 2 WDC 120TS

Water temperature control unit for industrial applications up to 120°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

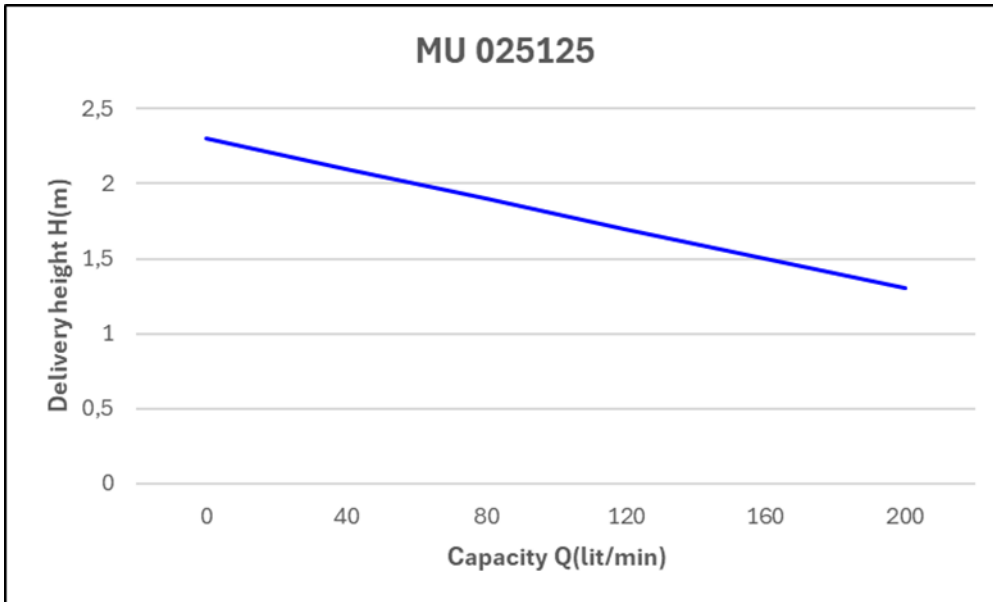


## Technical datas

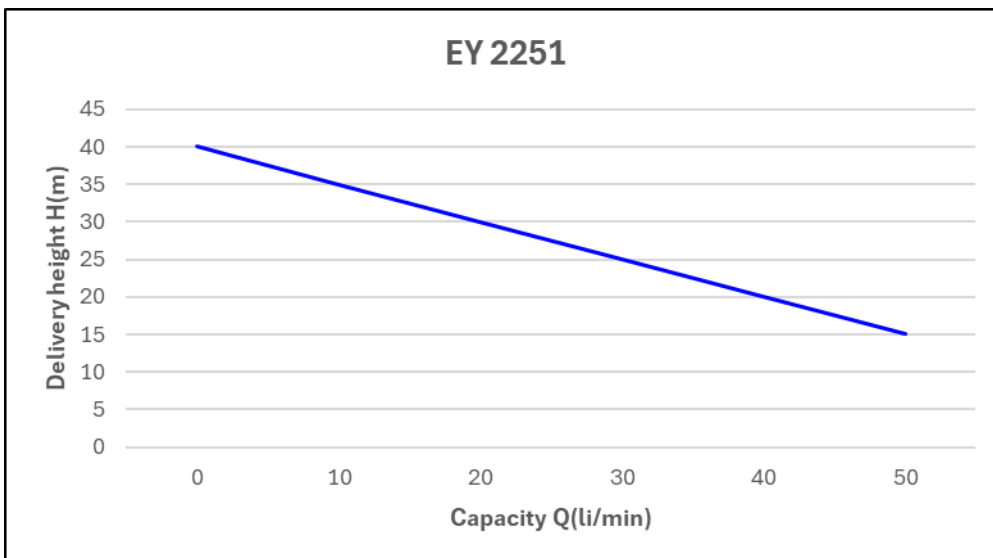
| Model                                     |   | <b>SMART 2 WDC 120TS</b>          |
|---|---|-----------------------------------|
| Fluid                                     |   | Water                             |
| Maximum temperature                       | °C                                      | 120                               |
| PID temperature control heating / cooling |   | Yes                               |
| Solid state relays + frontal cooler       |   | Yes                               |
| Heating power                             | Kw                                      | 9                                 |
| Direct cooling                            | Kw                                      | --                                |
| Capacity heating cylinder                 | Lit.                                    | 5,12                              |
| Centrifugal pump MU025125                 | Max.Flow<br>Max.Pressure<br>Motor power | 200 lit/min<br>2,3 bar<br>0,5 Kw  |
| Magnetic pump EY2251                      | Max.Flow<br>Max.Pressure<br>Motor power | 40 lit/min<br>5 bar<br>0.5 Kw     |
| Magnetic pump EY4281                      | Max.Flow<br>Max.Pressure<br>Motor power | 60 lit/min<br>6 bar<br>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                                      | 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<br>480/3/60hz (option) |

## Pumps curves

Standard pump



Optional pump (magnetic)



Optional pump (magnetic)

