

## Smart 6 plus 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
- Electronic flow measurement
- 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
- Automatic mould drain
- Pumps MU160-200

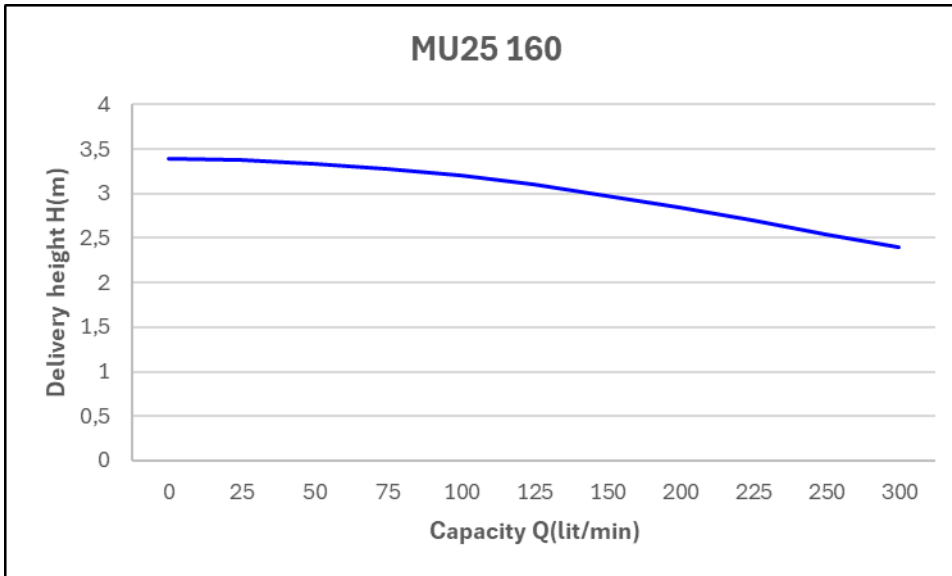


## Technical datas

Model	<b>SMART 6 plus WDC 90 TS</b>		
Fluid		Water	
Maximum temperature	°C	90	
PID temperature control heating / cooling		Yes	
Solid state relays + frontal cooler		Yes	
Heating power	Kw	25 - 32	48 - 57 - 64
Direct cooling	Kw	--	
Capacity heating cylinders	Lit.	42	65
Centrifugal pump MU25160	Max.Flow Max.Pressure Motor power	300 lit/min 3,5 bar 1,5 Kw	
Centrifugal pump MU25200	Max.Flow Max.Pressure Motor power	320 lit/min 4,5 bar 2,2 Kw	
Hydraulic process connections	inlet / outlet	1"	
Hydraulic cooling connections	inlet / outlet	½"	
PCB card	Touch screen	TG 111	
Thermocouple type		PT1000	
Dimensions	mm	600 x 1250 x 13000h	
Color	RAL	7016 - 7035	
Max. electrical cabinet temperature	°C	40	
Sound pressure level	db (A)	< 70	
Weight	kg	195	210
Voltage	V/Ph/Hz	400/3/50hz 480/3/60hz (option)	

## Pumps curves

### Standard pump



### Optional pump

