

# Technical Standard Specification

## Series: Mini WM3

WM3-(max. temperature)-(heating capacity)-(cooling capacity)

Medium: Water

maximum media temperature:	indirect cooled: 90°C, 150°C, 160°C		
	direct cooled: 90°C		
maximum external volume:	22 ltr at 90°C	max. system pressure:	6 bar + pump pressure at 150°C-vers.
	8,9 ltr at 150°C		8 bar + pump pressure at 160°C-vers.
	7,9 ltr at 160°C		

### Functional equipment hydraulic

- Cooling and filling controlled by solenoid valve
- Automatic filling via cooling water
- Bypass between to and from process with reduced cross-section
- Level monitoring by magnetic float switch
- Automatic temperature-dependent system closing (for 150°C and higher)
- Monitoring of to process pressure via manometer at backside of unit
- Dirt trap in cooling water supply, filling line and return line of circulating system
- Isolation of all heat carrying hydraulic components (for 150°C)
- Booster pump (160°C)



### Functional equipment electrical

- Controller SBC-T (3,5"-touch display)
- Heating by Hybrid-SSR (380 to 415V), otherwise SSR
- electrical cabinet IP54
- heating power: in kW: 0; 3; 6 (at nominal voltage)

### General equipment

- Corrosion-resistant components (stainless steel, brass)
- Heating with Incolloy stainless steel tubular heaters
- Unit mounted on rollers and ready for connection
- ball valves in pre- and return run

### Cooling

Type	Capacity	Set-up	Connection cooling water	
30D	30 kW	direct cooled	10 ltr/min	int. thread 3/8"
45	45 kW	plate heat exchanger	15 ltr/min	int. thread 3/8"

Capacity at 80°C temperature to process and 15°C cooling water temperature, and pressure difference of 3 bar between cooling water inlet and outlet.

### Pump

	90°C, 150°C, 150°C-version	160°C-version (magnetically coupled)
Type	standard <b>Y2051</b>	standard <b>AY2251</b>
Output rate (max.)	27 ltr/min	38 ltr/min
Pressure (max.)	5 bar	5.1 bar
Motor capacity	0.5kW	0.5 kW
Construction	peripheral wheel	peripheral wheel

### Dimensions/weight/colours

Dimensions L/W/H:	625 (w/o connections) x 240 x 490 mm (with Smart-Controller: L= 680mm)
Weight:	up to 55 kg, (depend. On features)
Colour:	case: RAL 7035 light grey front door: RAL 7016 anthracite grey

### Connections

Circ. Medium:	int. thread 1/2"
filling (option)	int. thread 3/8"

- Subject to technical changes; latest update: January 13th, 2021; changed by C.Scheufele-

This unit complies with the European Directives. Other directives and standards are met only if they listed in the order confirmation. This technical specification represents the standard equipment. For non-standard specifications upon customer's request see quotations or O/Cs. In case of contradictory information the quotation or O/C applies.