

Technical Standard Specification

Series: Mini M3

Medium: Water up to 90°C

maximum external volume: 3.2 ltr (indirect cooling)
unlimited (direct cooling)

max. system pressure: cooling water pressure plus pump pressure

Functional equipment hydraulic

- Cooling and filling controlled by solenoid valve
- Automatic filling via cooling water
(via separate filling nozzle if without cooling)
- Level monitoring by magnetic float switch
- Flow monitoring by recording of film temperature
- Dirt trap in cooling water supply and return line of circulating system
- Bypass between to and from process with reduced cross-section
- Ventilation via non-return valve in cooling water outlet (indirect cooling only)

Functional equipment electrical

- Controller SBC-T (3,5"-touch display)
- Heating by Hybrid-SSR (up to 415V), above 415V SSR
- Control cabinet IP54
- Heating capacity: cf. O/C

Option: Advanced package consisting of:
Smart Controller (7" touch display)
Flow metering, temperature sensor from process

General equipment

- Corrosion-resistant components (VA, MS)
- Heating with Incolloy stainless steel tubular heaters
- Unit mounted on rubber buffers and ready for connection

Cooling

Type	Capacity	Set-up	Connection cooling water
0	0	w/o	w/o
35	35 kW	indirect with plate heat exchanger	socket G3/8
50	50 kW	direct	socket G3/8

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

	Standard	Reinforced
Output rate (max.)	Y 2051 31 ltr/min	Y 4081 60 l/min
Pressure (max.)	4.4 bar	6 bar
Motor capacity	0.50 kW	0.75 kW
Construction	peripheral, VA	

Dimensions/weight/colours

Dimensions L/W/H: w. SBC-T: 490 mm x 200 mm x 415 mm
w. Smart Controller: 490 mm x 240 mm x 415 mm

Weight: approx. 30 kg

Colour: case: RAL 7035 light grey
front door: RAL 7035 light grey

Connections

Circulating medium socket G1/2

Filling (if direct cooling via cooling water) socket G3/8

- Subject to technical changes; latest update: September 12th, 2016; 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.

