

# Technical Standard Specification

Series: Oil Compact **DM**

Medium: Oil up to 180°C  
(Optional up to 250°C)

maximum external volume: 9.3 ltr at 180°C  
5.1 ltr at 250°C

## Functional equipment hydraulic

- Cooling controlled by solenoid valve
- Bypass between to and from process with reduced cross-section
- Level monitoring by magnetic float switch
- Flow monitoring by recording surface temperature of heating rods
- Dirt trap in cooling water supply and return line of circulating system
- Monitoring of pre-run temperature by electronic safety temperature observer
- External oil-filler neck



## 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

## General equipment

- Piping and vessel: steel
- Heating with stainless steel tubular heaters
- Unit mounted on 2 swivel (break function) and 2 trestle casters ready for connection

## Cooling

Temperature	Capacity	Set-up	Connection cooling water
	0	w/o	w/o
180°C/250°C	14 kW	copper fin-tube heat exchanger	sealing cone G3/8

Capacity at 150°C temperature to process and 15°C cooling water temperature, and pressure difference of 3 bar between cooling water inlet and outlet.

## Pump

\* pressure data only for process media with density of 1000 kg/m<sup>3</sup>

	180°C CY 4081	250°C TOE/CY 4281
Output rate (max.)	45 ltr/min	60 ltr/min
Pressure (max.)	6.0 bar*	6.0 bar*
Motor capacity	0.75 kW	1.0 kW
Construction	peripheral	peripheral

## Dimensions/weight/colours

Dimensions L/W/H: 609 mm x 254 mm x 547 mm (w/o connect.)  
Weight: approx. 60 kg  
Colour: case: RAL 7035 light grey  
front door: RAL 7016 anthracite grey

## Connections

Circulating medium socket G1/2

- Subject to technical changes; latest update: April 16th, 2019; 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.***