

Technical Standard Specification

Series: Oil Advanced **D0**

Medium: Oil up to 300°C
Optional up to 180°C

maximum external volume: 12 ltr at 180°C
5 ltr at 300°C

Functional equipment hydraulic

- Cooling controlled by solenoid valve
- Flow metering according to principle of pressure difference
- 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 and flow
- 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

- Smart Controller (7" touch display)
(Basic package or product line "Base": SBC-T)
- Heating by Hybrid-SSR (380 to 415V), otherwise SSR
- Control cabinet IP54, forced ventilation
- Heating capacity: 4,5kW or 9kW (at nominal voltage)

General equipment

- Piping and vessel: stainless steel
- Heat exchanger jacket: steel, heat exchanger tubes: CuNi10Fe
- Heating with flow-type heater
- Unit mounted on rollers and ready for connection



Cooling

Temperature	Capacity	Set-up	Connection cooling water
	0	w/o	w/o
180°C/300°C	20 kW	copper fin-tube heat exchanger	sealing cone G3/8 external thread

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/m³

	300°C TOE/CY 4281	180°C CY 4081
Output rate (max.)	50 ltr/min	45 ltr/min
Pressure (max.) ± 10%	5,6 bar*	6.0 bar*
Motor capacity	1.0 kW	0,75 kW
Construction	peripheral	peripheral

Dimensions/weight/colours

D1-300 (no constant bypass of heat exchanger)

Dimensions L/W/H: 714 x 304 x 699 mm (w/o connect.)
(with Basic package L = 658 mm)

Weight: 62 kg to 83 kg (depending on the version)

Colour: case: RAL 7035 light grey
front door: RAL 7016 anthracite grey

Connections

Circulating medium int. thread G1/2" (ISO 228)

- Subject to technical changes; latest update: July 23th, 2020; changed by U.Hoferer -

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.