

Technical Standard Specification

Series: Oil Advanced **D4**

Medium: Oil up to 300°C
Optional up to 350°C/200°C

maximum external volume: 250 ltr at 200°C
120 ltr at 300°C
100 ltr at 350°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
- Dilo screw joints at screwed piping connections in the unit (except pump connections)
- Bellow-seal shut-off valves in pre- and return-run
- 350°: Bypass control of heat exchanger (not together with base package)
- Connection for nitrogen blanketing with pressure gauge and safety valve 0.5 bar at 350°C (optional)



Functional equipment electrical

- Smart Controller (7" touch display)
- Heating control by solid-state-relay
- Control cabinet IP54
- Heating capacity: cf. O/C

General equipment

- Piping and vessel: steel
- Heating with flange-heaters (screw-in heaters at 200°C)
- Unit mounted on rollers and ready for connection
- Glycerin-filled manometer in pre-run

Cooling

Temperature	Capacity	Set-up	Connection cooling water
	0	w/o	w/o
200°C/300°C	116 kW	copper fin-tube heat exchanger	sealing cone DIN 3863 G1/2
200°C/300°C	232 kW	copper fin-tube heat exchanger	sealing cone DIN 3863 G1
350°C	100 kW	stainless steel fin-tube heat exchanger	sealing cone DIN 3863 G1

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

	Standard SYT 32-200/552.2	Booster pumps SYT 32-200/752
Output rate (max.)	550 ltr/min	600 ltr/min
Pressure (max.)	4.7 bar*	6.2 bar*
Motor capacity	5.5 kW	7.5 kW
Construction	centrifugal	centrifugal

Dimensions/weight/colours

Dimensions L/W/H: 1,915 x 630 x 1,920 mm (w/o connect.)
Weight: approx. 850 kg
Colour: case: RAL 7035 light grey
front door: RAL 7035 light grey

Connections

Circulating medium flange DN 40 PN 16-40
(DIN EN 1092-1), form B1
Nitrogen hose nipple 10 mm (optional)

- Subject to technical changes; latest update: Apr. 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.