

## SINGLE High-temperature oil-operated temperature control systems up to 350 °C

 **Oil Advanced**

High-temperature oil-operated temperature control systems for temperatures up to 350 °C are recommended for applications that rule out other temperature control media due to high temperature requirements. Thanks to its wide variety of options for capacity, temperature range and dimensions, the Oil Advanced product family is suitable for many different processes and requirements within a wide capacity range. With its virtually unlimited amount of options and equipment variations, maximum reliability and precision, the systems meet every demand.

### STANDARD EQUIPMENT

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#### General

- ▶ Rugged, powder-coated sheet steel housing
- ▶ High-quality materials
- ▶ Roller mounted

#### Hydraulics

- ▶ Magnetically coupled pumps for D1 through to D2 (otherwise optional)
- ▶ Dirt traps in return and cooling water supply line
- ▶ Flow metering by means of differential pressure

#### Electric and control equipment

- ▶ SCT controller with 7" touch screen
- ▶ Heating control by solid state relay with fail-safe pilot contactor
- ▶ Electronic safety temperature limiter
- ▶ Switch box to IP54
- ▶ Cable connector without plug

### OPTIONS

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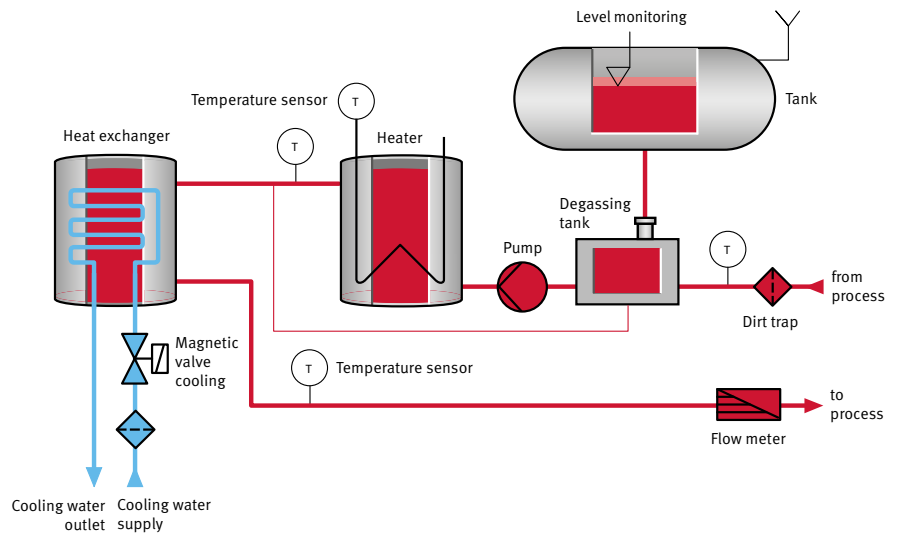
- ▶ SBC controller
- ▶ Vapour heating
- ▶ Control by pneumatic or motor-driven continuous control valves
- ▶ Heat exchanger bypass on the temperature-control fluid side
- ▶ Connection for various analogue and digital electric interfaces
- ▶ Virtually unlimited hydraulic and electric options



**single**  
first choice  
in temperature control

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## Oil Advanced

Structural units		D1	D2	D3	D4	D5
Max. temperature range	°C	300	300/350	300/350	300/350	300/350
Max. external volume	l	16	86/66	157/121	142/106	92/65
Heating capacity	kW	9/18	9/18/27/36	18/36/54	36/72/108	72/108/144
Cooling capacity (150 °C outlet/15 °C cooling water)	kW	50	50/116	116	116/232	116/232
Max. flow rate	l/min	60/80*	100/150*/180*	360/325*/340*	530/550*/600*	1050/1080*/950*
Max. pressure (max. values of the characteristic)	bar	6/11*	8/11*	4.2/4.8*/5.8*	4.2/4.7*/6.2*	3.5/4.5*/6.2
Pump motor capacity	kW	1/2.8*	2.8/4*	3/4*/5.5*	4/5.5*/7.5*	5.5/7.5*/11*
Connections circulating media		G 1/2" MPT	AD 28-L	DN 32	DN 40	DN 65
Connections cooling water	MPT	G 3/8"	up to G 1/2"	G 1/2"	G 1/2"	G 1/2"
Internal filling volume	l	8	22	40	55	105
Dimensions (without connections)	L mm	805	1125	1330	1780	1925
	W mm	345	395	580	730	730
	H mm	970	1210	1680	1780	2230
Approximate weight	kg	120	225	460	650	900

\* Special pump