

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



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

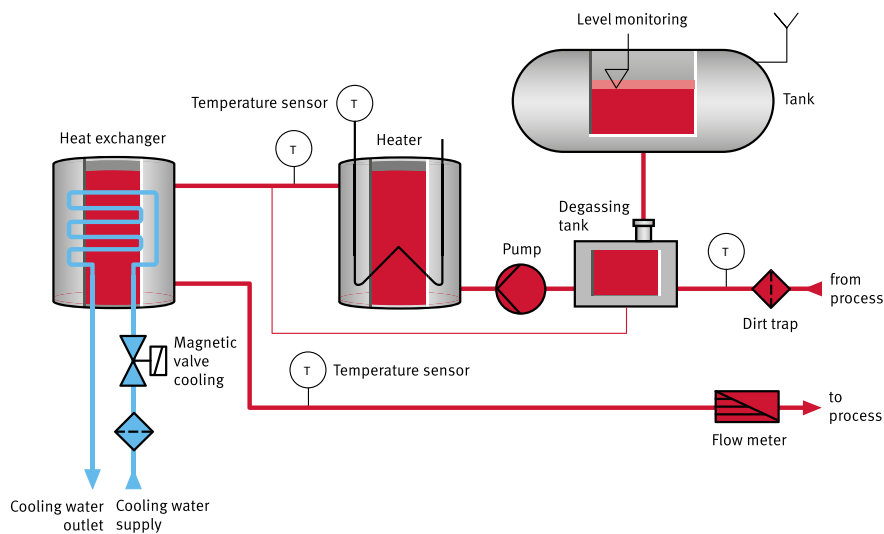
#### Electric and control equipment

- ▶ 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



Oil Advanced																			
Structural units		D1			D2			D3			D4			D5					
Max. temperature range	°C	180	300	180	300	350	180	300	350	200	300	350	200	300	350				
Max. external volume	l	39	15	186	86	66	307	140	108	250	120	100	220	92	65				
Heating capacity	kW	9/20			9/18/27/36			36/54			36/72/108/144			72/108/144					
Cooling capacity (150°C outlet/15°C cooling water)	kW	50			50/116			50/116			116/232			116/232					
Max. flow rate	l/min	45/60/80*			100/150*			360			550*/600*			1050/1080*/950*					
Max. pressure (max. values of the characteristic)	bar	6/11*			8/8.7/11*			4.2			4.7/6.2*			3.5/4.5*/6.2					
Pump motor capacity	kW	0.75/1/2.8*			2.8/4*			3			5.5/7.5*			5.5/7.5*/11*					
Connections circulating media		DN 25			DN 25			DN 32			DN 40			DN 65					
Connections cooling water	MPT	G 3/8"			bis G 1/2"			G 1/2"			G 1/2" / G 1"			G 1/2"					
Internal filling volume	l	8			22			40			65			105					
Dimensions (without connections)	L mm	914			1124			11414			1414			1865			1925		
	W mm	343			393			503			503			630			730		
	H mm	1095			1180			1350			1350			1920			2230		
Approximate weight	kg	120			225			320			380			850			900		

\*Special pump

Subject to technical changes