

150smart

The temperature control unit for oil up to 150 °C and water up to 90 °C

- RT70 control system with 3.5" TFT display
- Immersion pump with high flow rate: 60 l/min
- Immersion pump with high flow rate, optional 70 l/min
- Solid-state relay instead of heating contactor



Technical specifications

Heat transfer medium		Outlet temperature		Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
Water	Oil	90 °C	150 °C	6 / 9 kW	80 °C	38 kW	TP20	60 l/min	0.5 kW
					140 °C	29 kW	TS22	70 l/min	0.92 kW

Technical data

Outlet temperature			
max.	°C	90	150
Heat transfer medium		Water	Oil
Filling quantity	l	7.5	7.5
Expansion volume	l	4.5	4.5
Heating capacity at 400V		kW	
		6 / 9	
Cooling capacity		kW	
		38	
Cooler		1K	1K
at outlet temperature	°C	80	140
at cooling water temperature	°C	20	20
Pump capacity/Type		TP20	TS22
Flow rate max.	l/min	60	70
Power consumption	kW	0.5	0.92
Pressure max.	bar	3.8	5.4
Control system		RT70	
Measuring mode (standard)		Pt100	
Operating voltage		V/Hz	
		380-480 V, 50/60 Hz	
Connections			
Outlet/Inlet		G1/2"	
Cooling water mains		G1/2"	
Degree of protection		IP40	
Dimensions W/H/D		mm	
		202/560/661	
Weight		kg	
		50	
Color		RAL	
		9006/7016	
Ambient temperature			
max.	°C	40	
Noise level		db (A)	
		< 70	

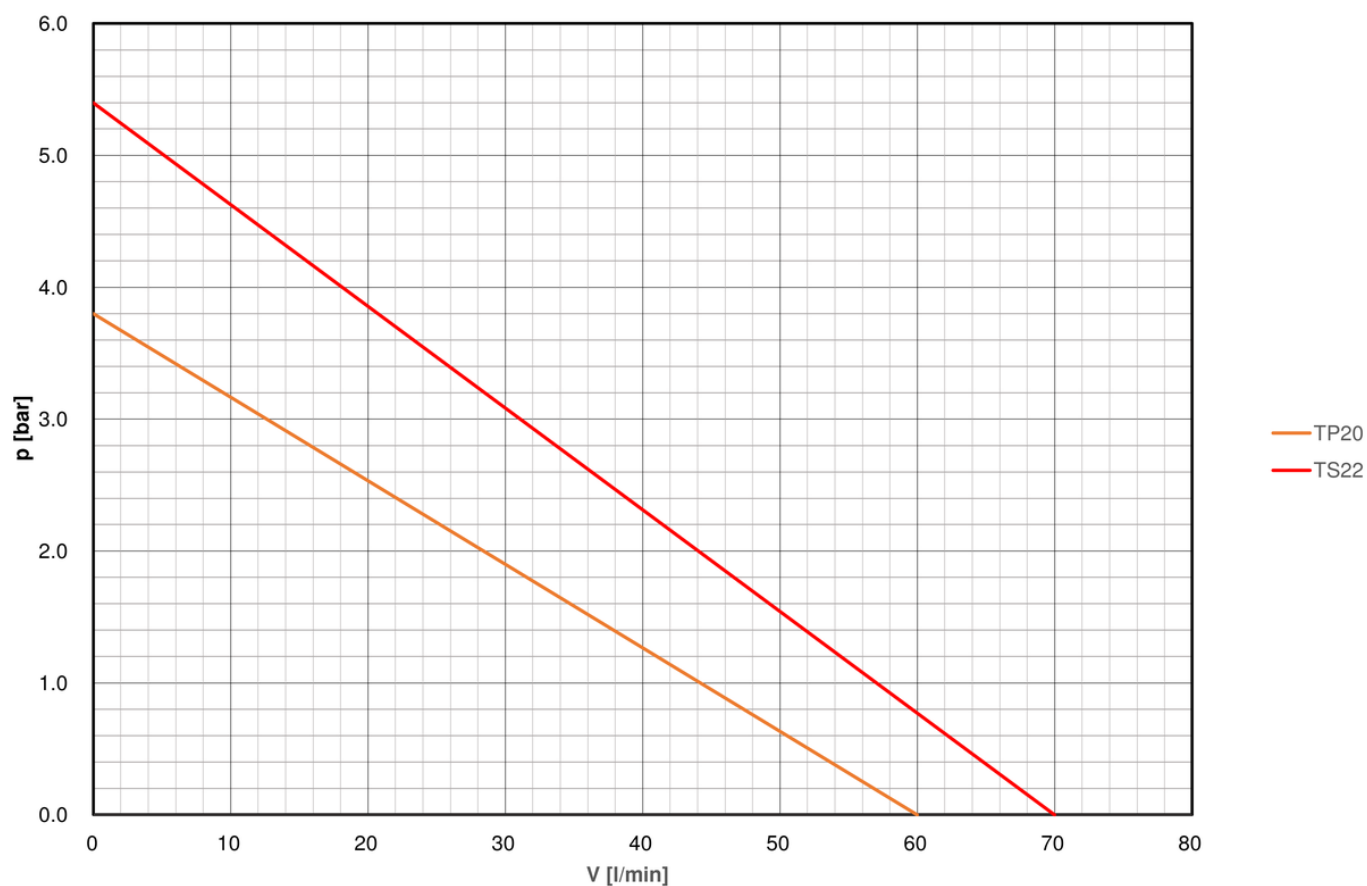
Standard equipment

- Solid-state relay (SSR) instead of heating contactor
- Immersion pump
- Indirect cooling
- Filler neck
- Filter in cooling water circuit
- Draining the consumer by suction
- Unit in IP40 protection degree

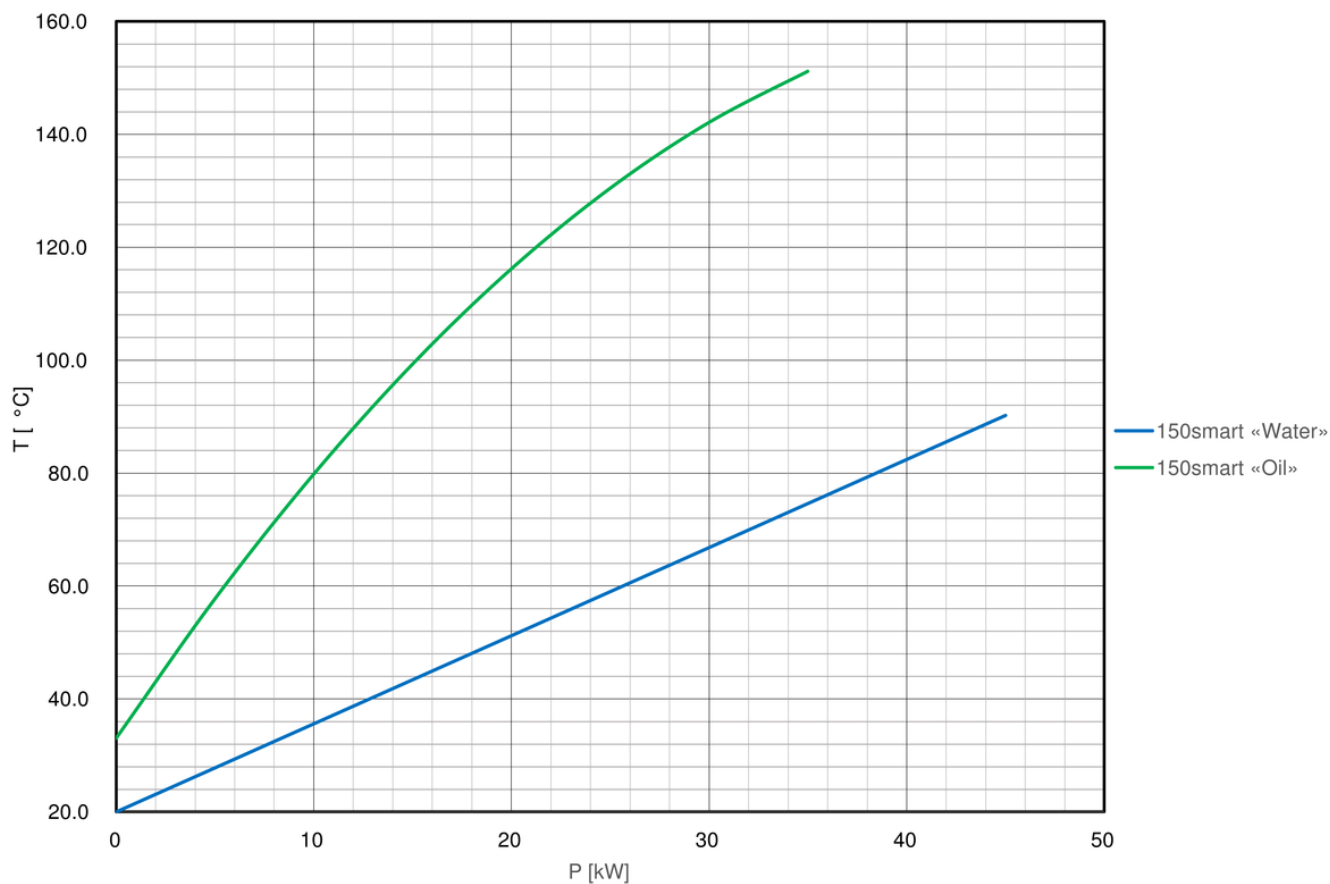
Options

- Magnetic valve in inlet, one way check-valve in outlet
- Electronic flow measurement

Pump curve



Cooling curve



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