180S up to 180 °C

The temperature control unit for oil up to 180 °C

- Control system RT200
- Immersion pump with high flow rate: 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		
Oil	180 °C	6 / 9 kW	140 °C	29 kW	SM23H PM23H	40 l/min 50 l/min	0.5 kW 1.4 kW

Technical data

Heat transfer medium		Oil	
Filling quantity	l	7.5	
Expansion volume	l	4.5	
Outlet temperature			
max. (Oil)	°C	180	
Heating capacity at 400V	kW	6 / 9	
Cooling capacity	kW	29	
Cooler		1K	
at outlet temperature	°C	140	
at cooling water temperature	°C	20	
Pump capacity/Type		SM23H	PM23H
Flow rate max.	l/min	40	50
Power consumption	kW	0.5	1.4
Pressure max.	bar	5.0	9.0
Control system		RT100 / RT200	
Measuring mode (standard)		Pt100	
Operating voltage	V/Hz	200-600 V, 50/60 Hz	
Connections			
Outlet/Inlet		G1/2"	
Cooling water mains		G1/2"	
Degree of protection		IP40	
Dimensions W/H/D	mm	202/560/732	
Weight	kg	50	
Color	RAL	9006/7016	
Ambient temperature			
max.	°C	40	
Noise level	db (A)	< 70	

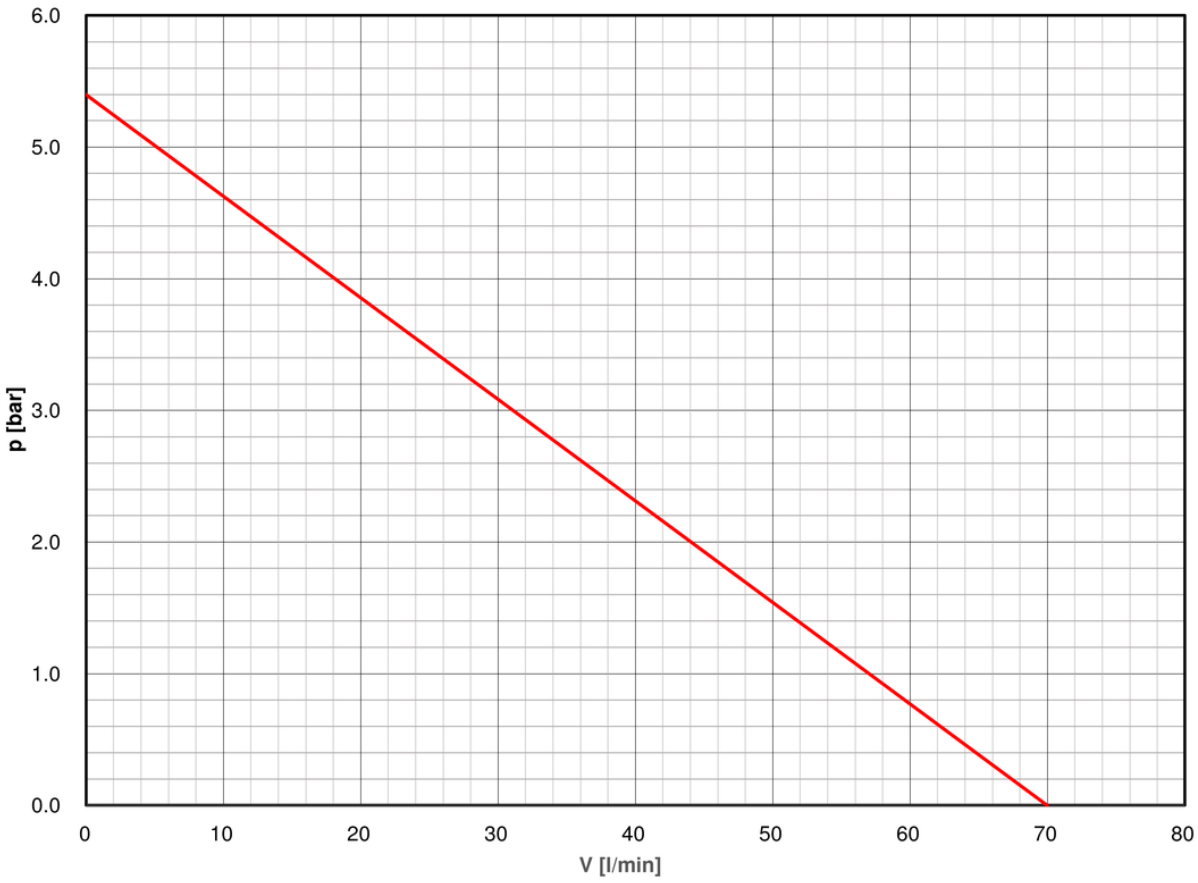
Standard equipment

- 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
- RT200 control system

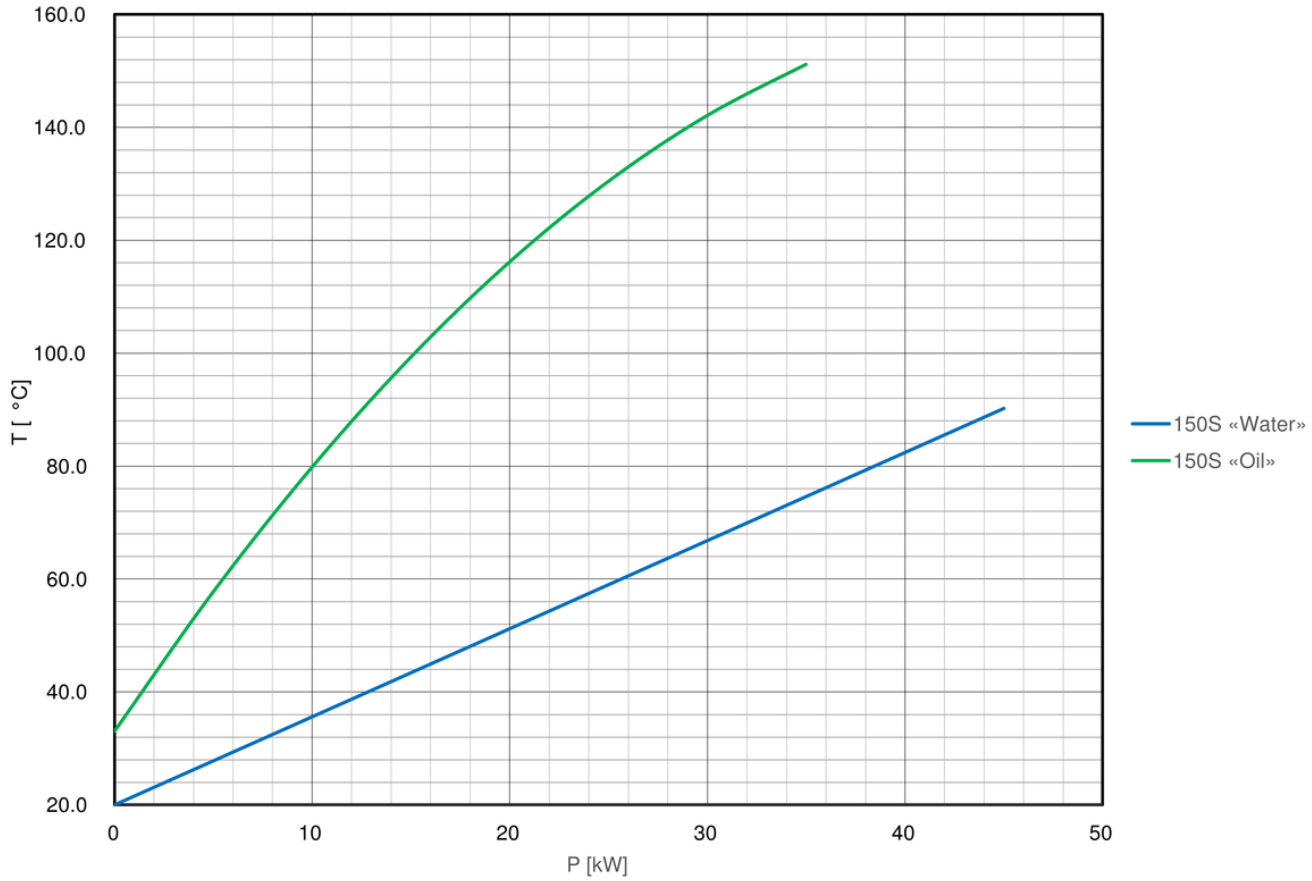
Options

- Magnetic valve in inlet, one way check-valve in outlet
- Electronic flow measurement
- RT100 control system

Pump curve



Cooling curve



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