

90smart

Temperature control unit for 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	90 °C	6 / 9 kW	80 °C	51 kW	TP20	60 l/min	0.5 kW
			80 °C	75 kW	TS22	70 l/min	0.92 kW

Technical data

Outlet temperature			
max.	°C	90	
Heat transfer medium		Water	
Filling quantity	l	7.0	
Expansion volume	l	2.5	
Heating capacity at 400V	kW	6 / 9	
Cooling capacity	kW	51	75
Cooler		1K	2K
at outlet temperature	°C	80	80
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	44	
Color	RAL	9006/7016	
Ambient temperature			
max.	°C	40	
Noise level	db (A)	< 70	

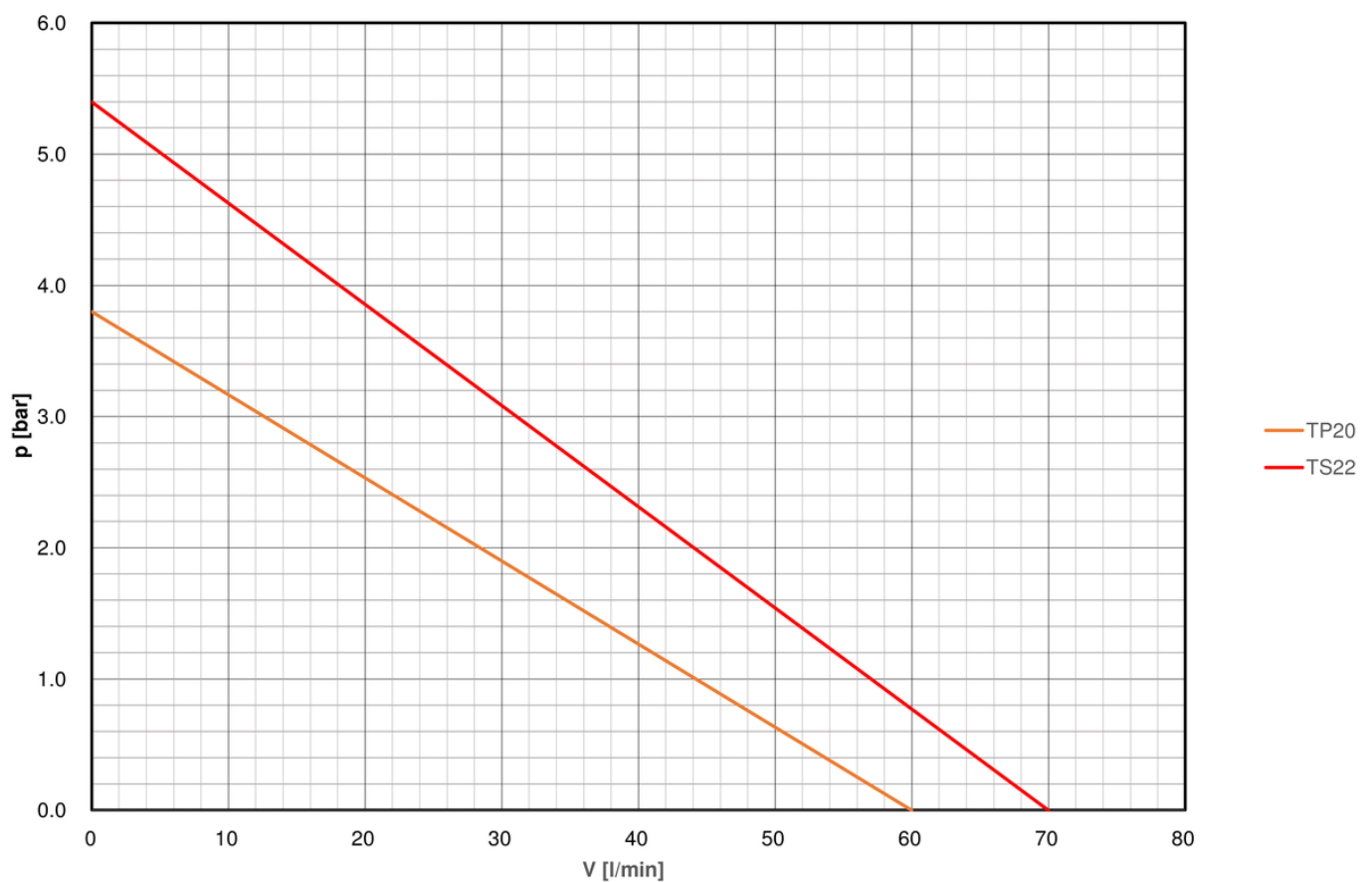
Standard equipment

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

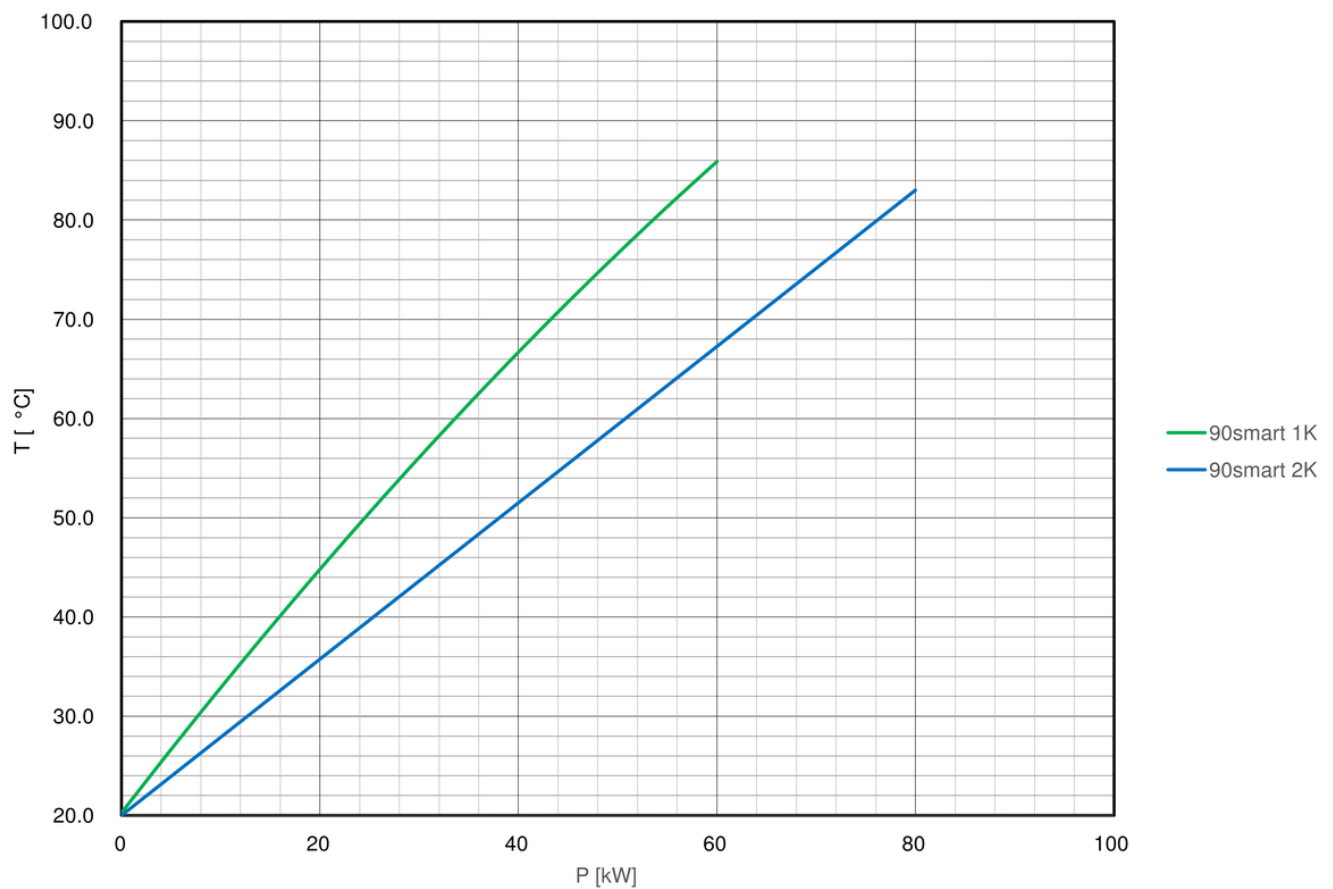
Options

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

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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