

P180S

Pressurised-water temperature control unit up to 180 °C

- Control system RT200
- Pump with high flow rate: 40 l/min
- Low-scaling cooling system "SK"
- Pressure control
- Leak-free pump with magnetic coupling
- Solid-state relay instead of heating contactor



Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
Water	180 °C	8 kW	170 °C	76 kW	SM23H	40 l/min	0.5 kW
			170 °C	90 kW	PM23H	50 l/min	1.4 kW

Technical data

Outlet temperature			
max.	°C	180	
Heat transfer medium		Water	
Filling quantity	l	1.0	
Expansion volume	l	-	
Heating capacity at 400V	kW	8	
Cooling capacity	kW	76	90
Cooler		SK	2SK
at outlet temperature	°C	170	170
at cooling water temperature	°C	20	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		IP54	
Dimensions W/H/D	mm	236/589/812	
Weight	kg	52	
Color	RAL	9006/7016	
Ambient temperature			
max.	°C	40	
Noise level	db (A)	< 70	

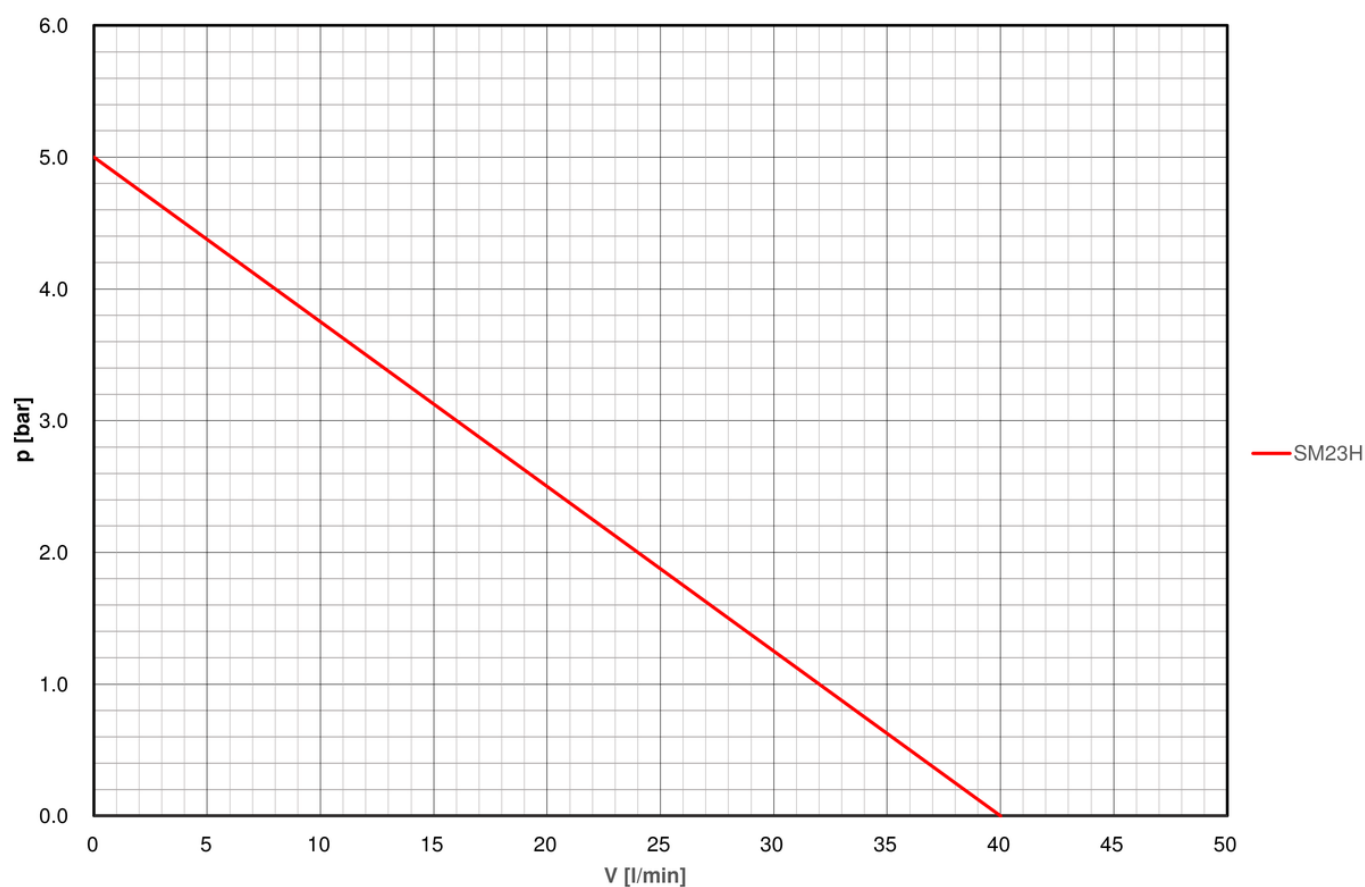
Standard equipment

- Solid-state relay (SSR) instead of heating contactor
- Filter in the main circuit
- Draining the consumer by suction
- Leak-free pump
- Patented low-scale cooling system (SK)
- Unit in IP54 protection degree
- RT200 control system

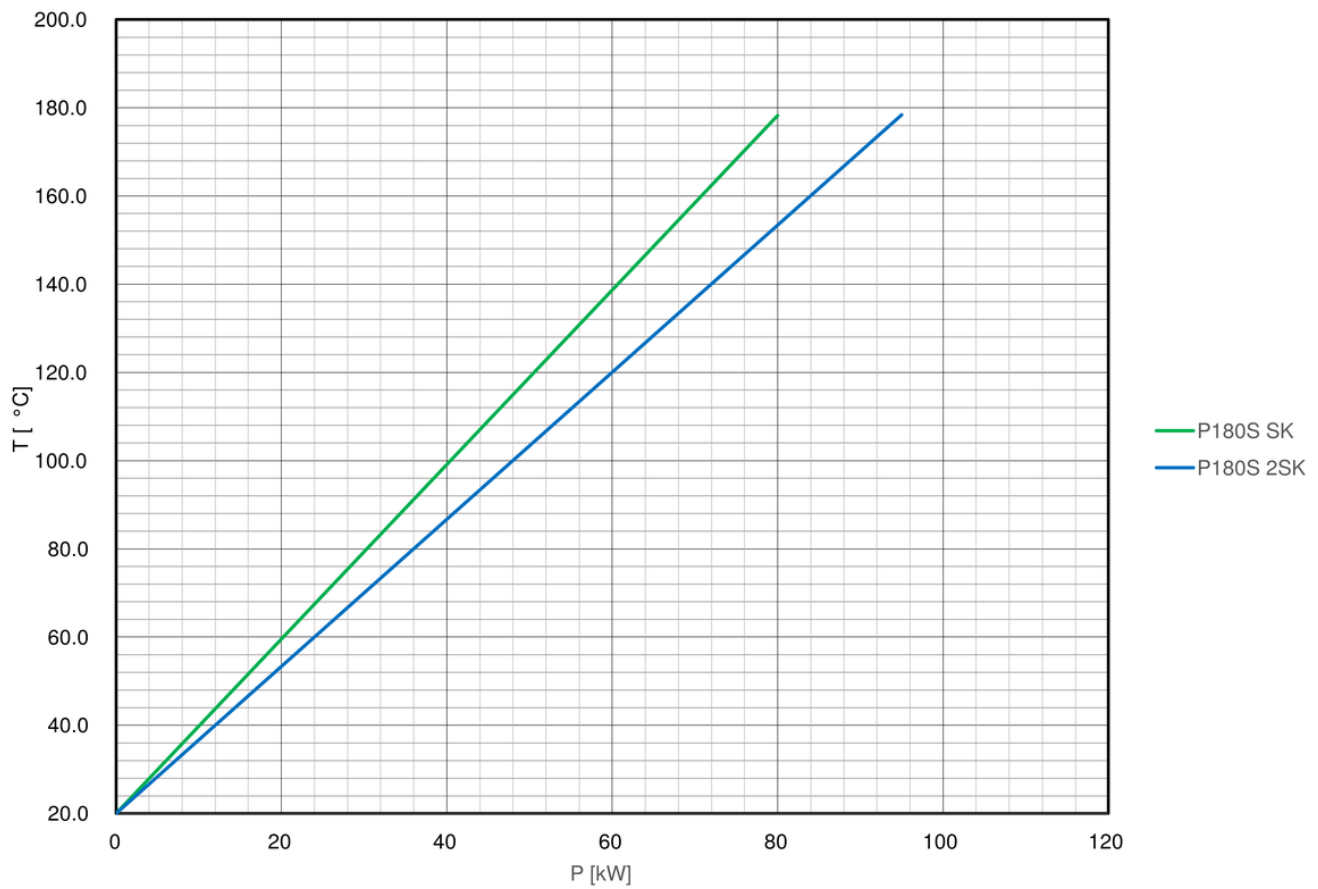
Options

- Electronic flow measurement
- Hand valve in inlet and outlet
- Cleanroom version
- Pump PM23H only with frequency converter
- RT100 control system

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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