

# P200S

## Pressurised-water temperature control unit up to 200 °C

- Control system RT200 or RT100
- 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		
			190 °C	86 kW	SM23H	40 l/min	0.5 kW
Water	200 °C	8 kW	190 °C	102 kW	PM23H	50 l/min	1.4 kW

**Technical data**

<b>Outlet temperature</b>			
max.	°C	200	
<b>Heat transfer medium</b>		Water	
Filling quantity	l	1.0	
Expansion volume	l	-	
<b>Heating capacity at 400V</b>	kW	8	
<b>Cooling capacity</b>	kW	86	102
Cooler		SK	2SK
at outlet temperature	°C	190	190
at cooling water temperature	°C	20	20
<b>Pump capacity/Type</b>		SM23H	PM23H
Flow rate max.	l/min	40	50
Power consumption	kW	0.5	1.4
Pressure max.	bar	5.0	9.0
<b>Control system</b>		RT100 / RT200	
Measuring mode (standard)		Pt100	
<b>Operating voltage</b>	V/Hz	200-600 V, 50/60 Hz	
<b>Connections</b>			
Outlet/Inlet		G1/2"	
Cooling water mains		G1/2"	
<b>Degree of protection</b>		IP54	
<b>Dimensions W/H/D</b>	mm	236/589/812	
<b>Weight</b>	kg	52	
<b>Color</b>	RAL	9006/7016	
<b>Ambient temperature</b>			
max.	°C	40	
<b>Noise level</b>	db (A)	< 70	

## Standard equipment

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- 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

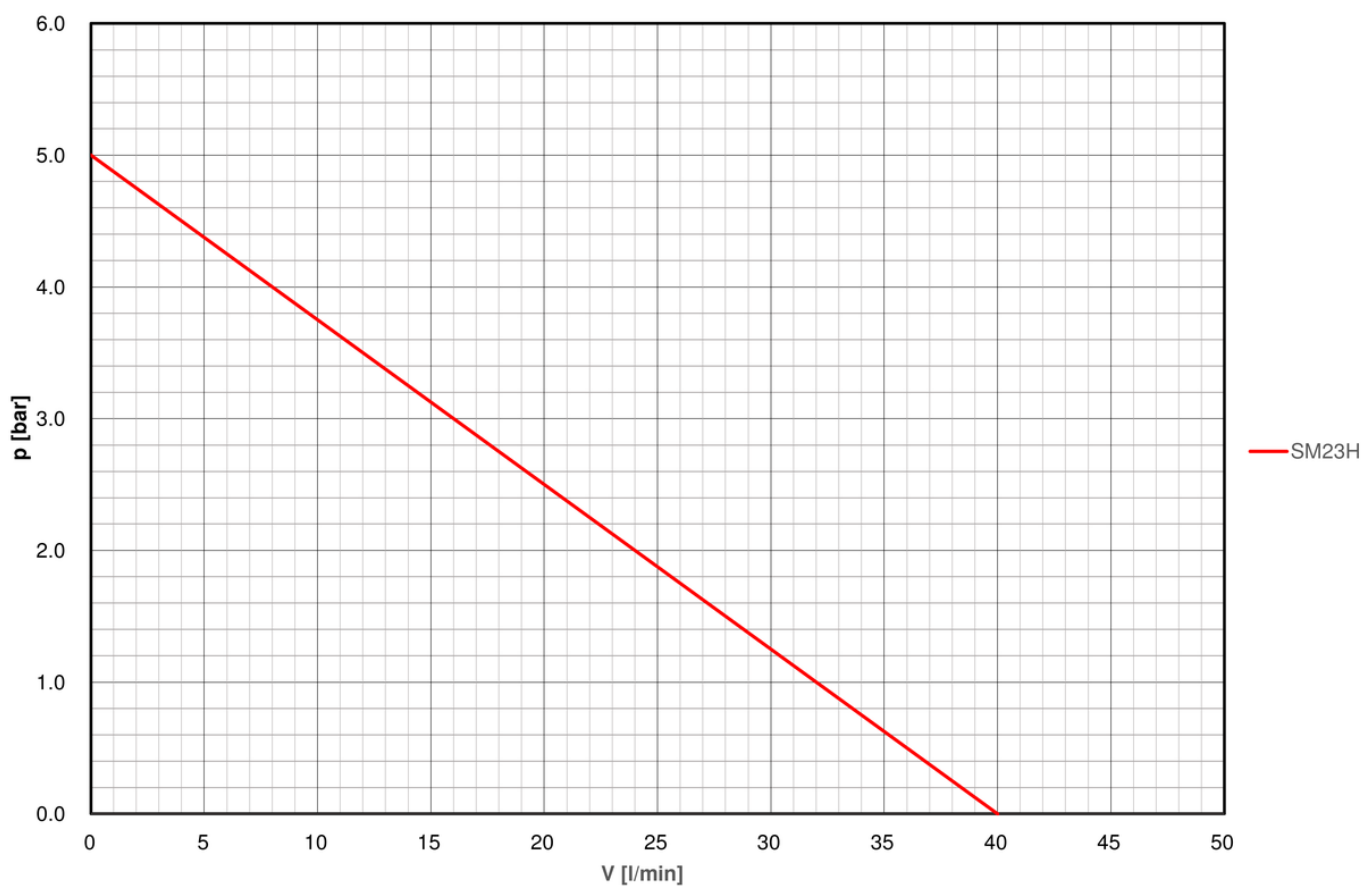
## Options

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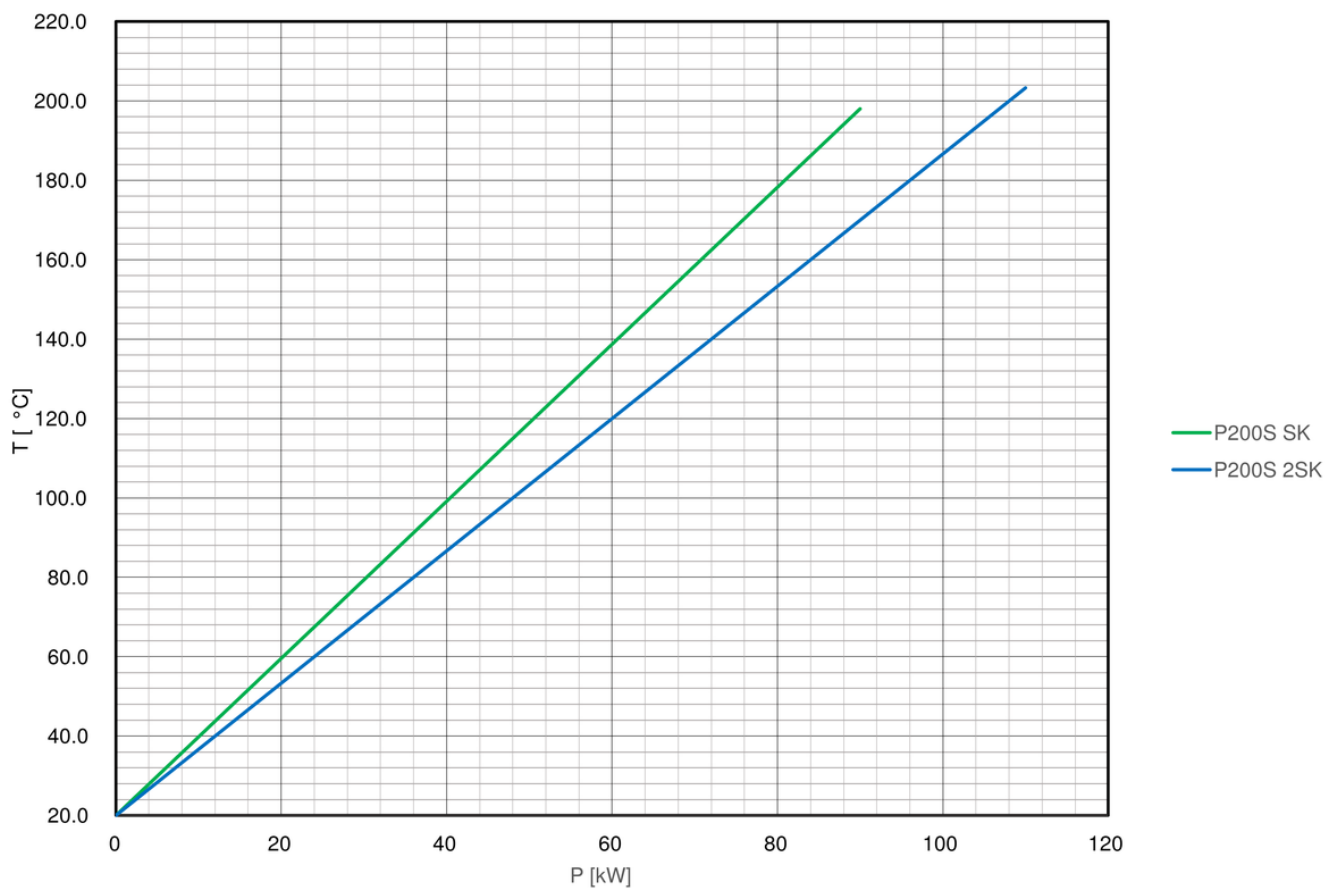
- Electronic flow measurement
- Hand valve in inlet and outlet
- Cleanroom version
- Pump PM23H only with frequency converter

## Pump curve

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Cooling curve



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