

P100S

Pressurised-water temperature control unit up to 100 °C

- Control system RT200
- Pump with high flow rate: 40 l/min
- 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	100 °C	8 kW	90 °C	145 kW	SM22	40 l/min	0.5 kW
			90 °C	60 kW	PM23	50 l/min	1.4 kW
			90 °C	78 kW			

Technical data

Outlet temperature					
max.	°C	100			
Heat transfer medium		Water			
Filling quantity	l	1.0			
Expansion volume	l	-			
Heating capacity at 400V	kW	8			
Cooling capacity	kW	145	60	78	
Cooler		DK	1K	2K	
at outlet temperature	°C	90	90	90	
at cooling water temperature	°C	20	20	20	
Pump capacity/Type		SM22	PM23		
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	232/589/812			
Weight	kg	50			
Color	RAL	9006/7016			
Ambient temperature					
max.	°C	40			
Noise level	db (A)	< 70			

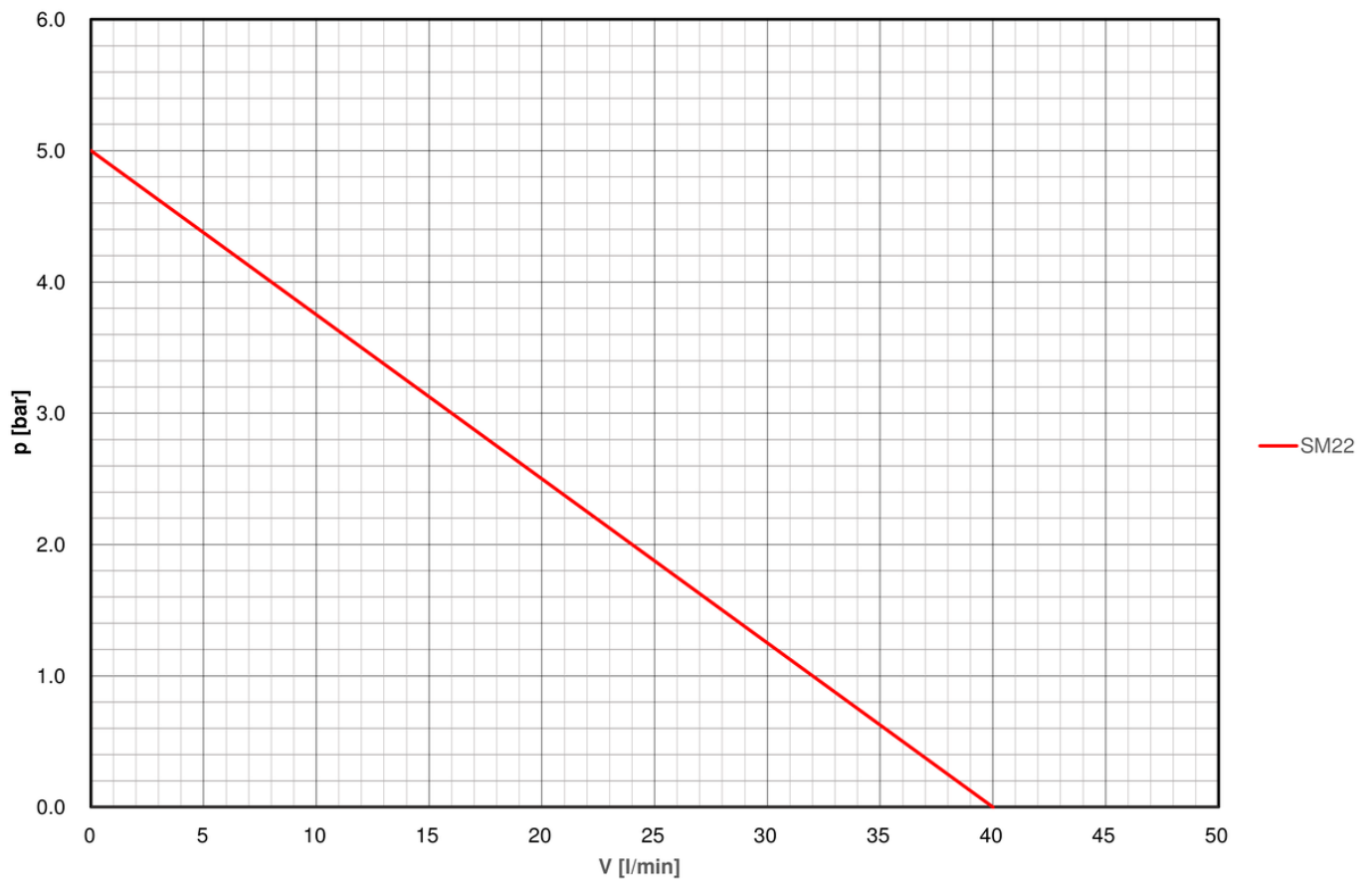
Standard equipment

- Solid-state relay (SSR) instead of heating contactor
- Filter in the main circuit
- Automatic water refill
- Leak-free pump
- Direct cooling (DK)
- Unit in IP54 protection degree
- RT200 control system

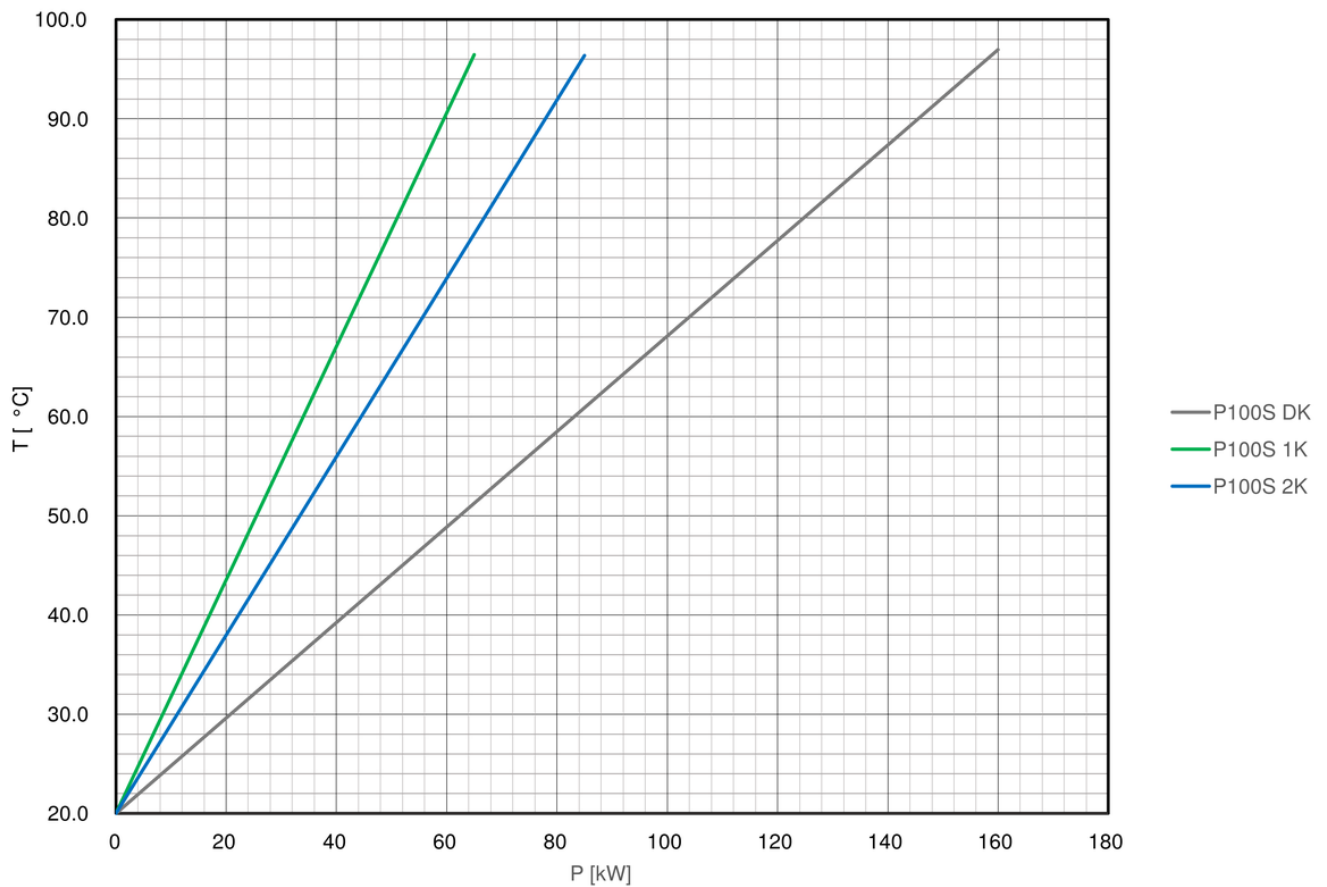
Options

- Electronic flow measurement
- Hand valve in inlet and outlet
- Indirect cooling
- Cleanroom version
- Pump PM23 only with frequency converter
- RT100 control system

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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