

# P140S

## Pressurised-water temperature control unit up to 140 °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	140 °C	8 kW	130 °C	56 kW	SM22	40 l/min	0.5 kW
			130 °C	68 kW	PM23	50 l/min	1.4 kW

Technical data

<b>Outlet temperature</b>			
max.	°C	140	
<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	56	68
Cooler		SK	2SK
at outlet temperature	°C	130	130
at cooling water temperature	°C	20	20
<b>Pump capacity/Type</b>		SM22	PM23
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
- Automatic water refill
- Leak-free pump
- Patented low-scale cooling system (SK)
- Unit in IP54 protection degree
- RT200 control system

## Options

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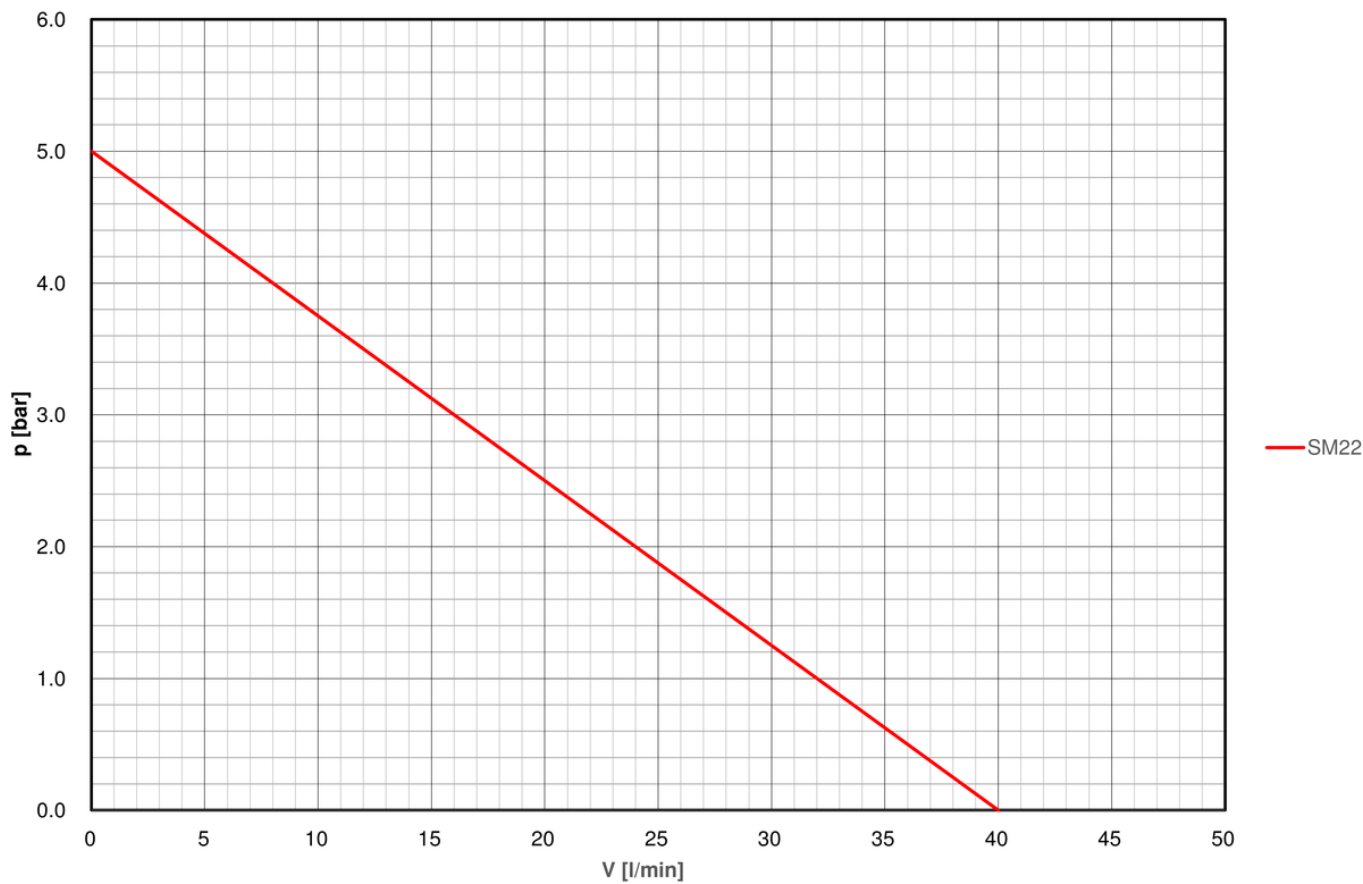
- Electronic flow measurement
- Hand valve in inlet and outlet
- Cleanroom version
- Pump PM23 only with frequency converter
- RT100 control system

## Product images - front/back

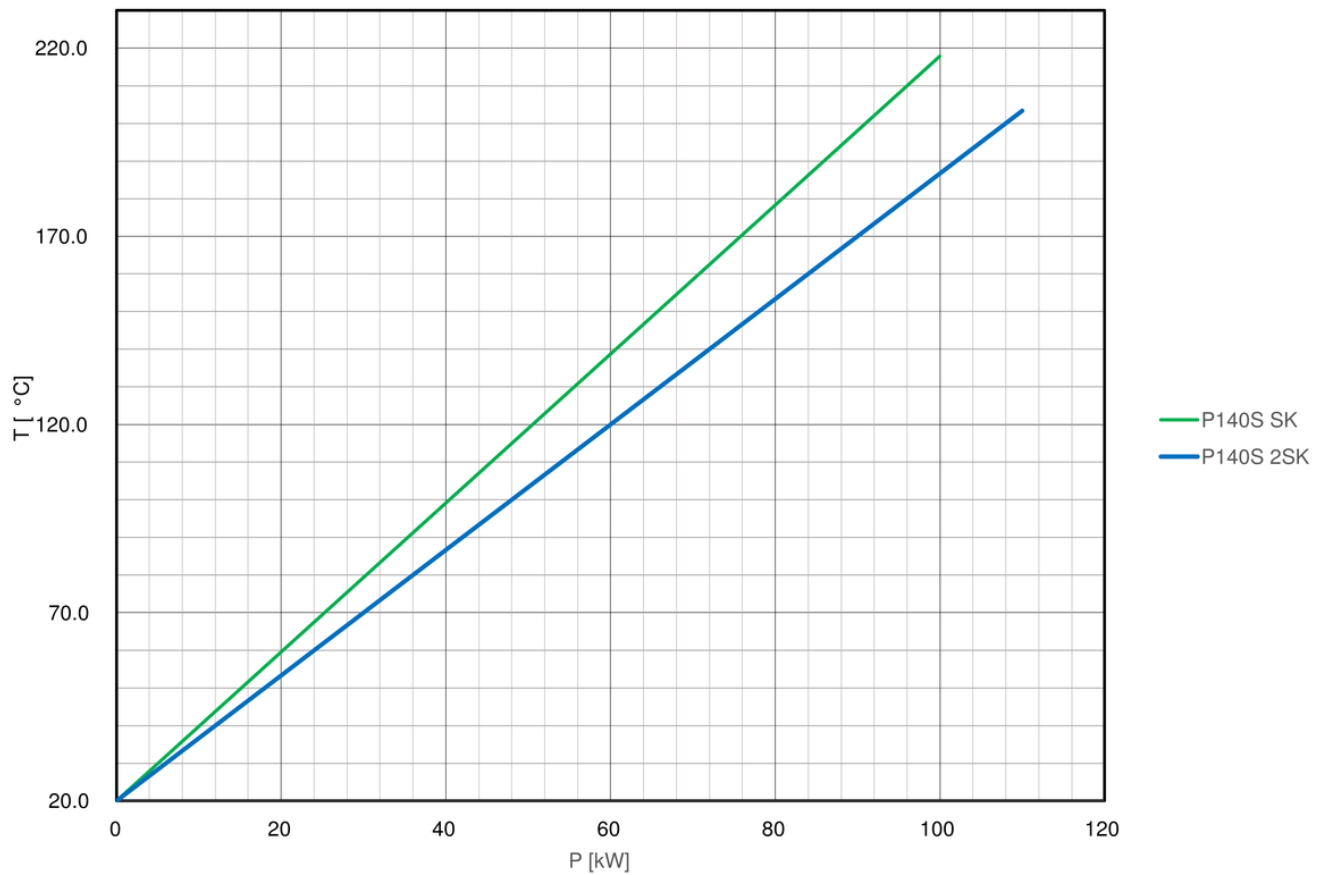
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Pump curve



## Cooling curve



## Representation Switzerland

### Injection Molding, Die Casting, other Applications

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