

# P181XL

Pressurised-water temperature control unit up to 180 °C

- Control system RT200
- Pump with high flow rate: 200 l/min
- Low-scale cooling system "SK"
- Pressure control
- 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	20 / 40 / 60 kW	170 °C   156 kW	SM85H	200 l/min	3.5 kW
				PM85H	200 l/min	4.0 kW

Technical data

<b>Outlet temperature</b>			
max.	°C	180	
<b>Heat transfer medium</b>		Water	
Filling quantity	l	10	
Expansion volume	l	5.0	
<b>Heating capacity at 400V</b>	kW	20 / 40 / 60	
<b>Cooling capacity</b>	kW	156	
Cooler		SK	
at outlet temperature	°C	170	
at cooling water temperature	°C	20	
<b>Pump capacity/Type</b>		SM85H	PM85H
Flow rate max.	l/min	200	200
Power consumption	kW	3.5	4.0
Pressure max.	bar	8.0	8.0
<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 1/2"IG	
Cooling water mains		G3/4"	
<b>Degree of protection</b>		IP54	
<b>Dimensions W/H/D</b>	mm	432/1350/1554	
<b>Weight</b>	kg	265	
<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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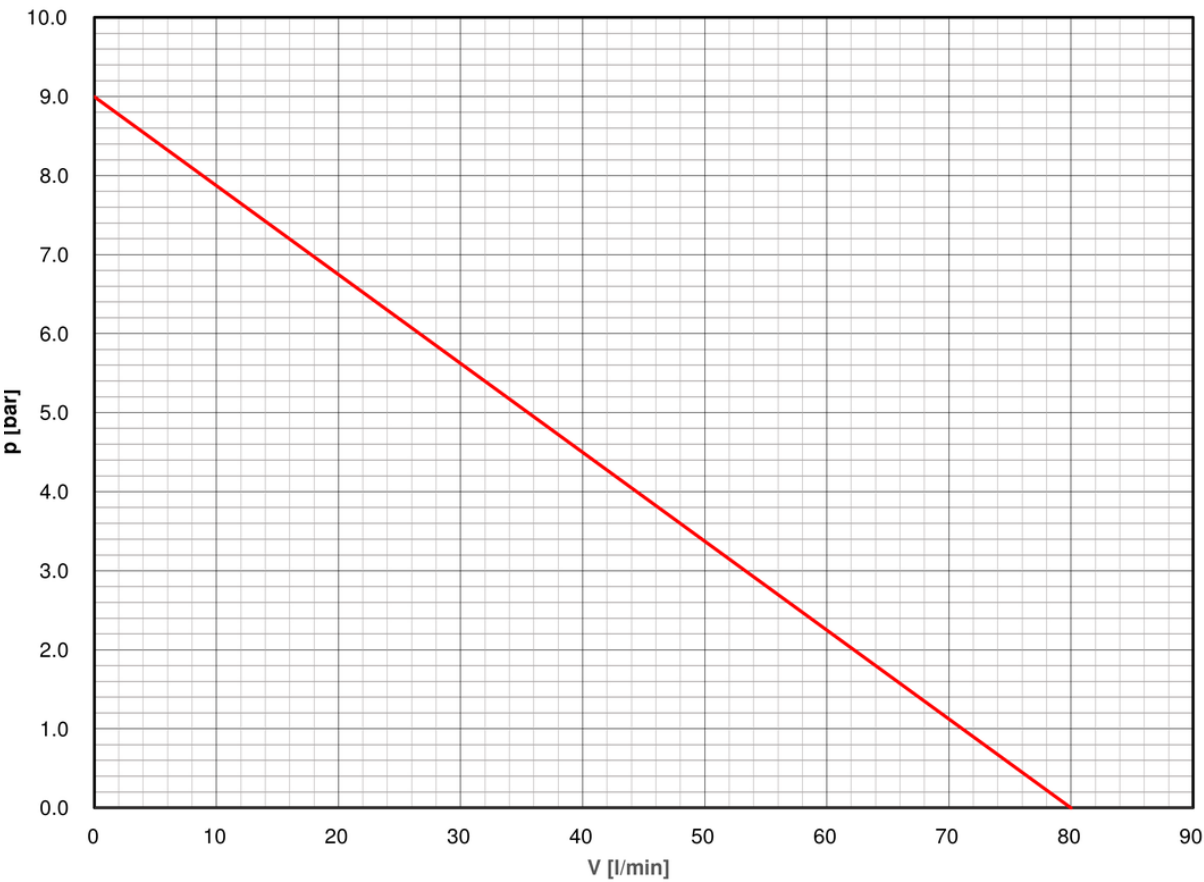
- Solid-state relay (SSR) instead of heating contactor
- Hand valve in inlet and outlet
- Water circuit of non-rusting materials
- Automatic water refill
- Filter in the main circuit
- Filter in cooling water circuit
- Leak-free pump
- Patented low-scale cooling system (SK)
- Pressure gauge outlet
- Pressure gauge for system pressure
- Unit in IP54 protection degree
- RT200 control system

## Options

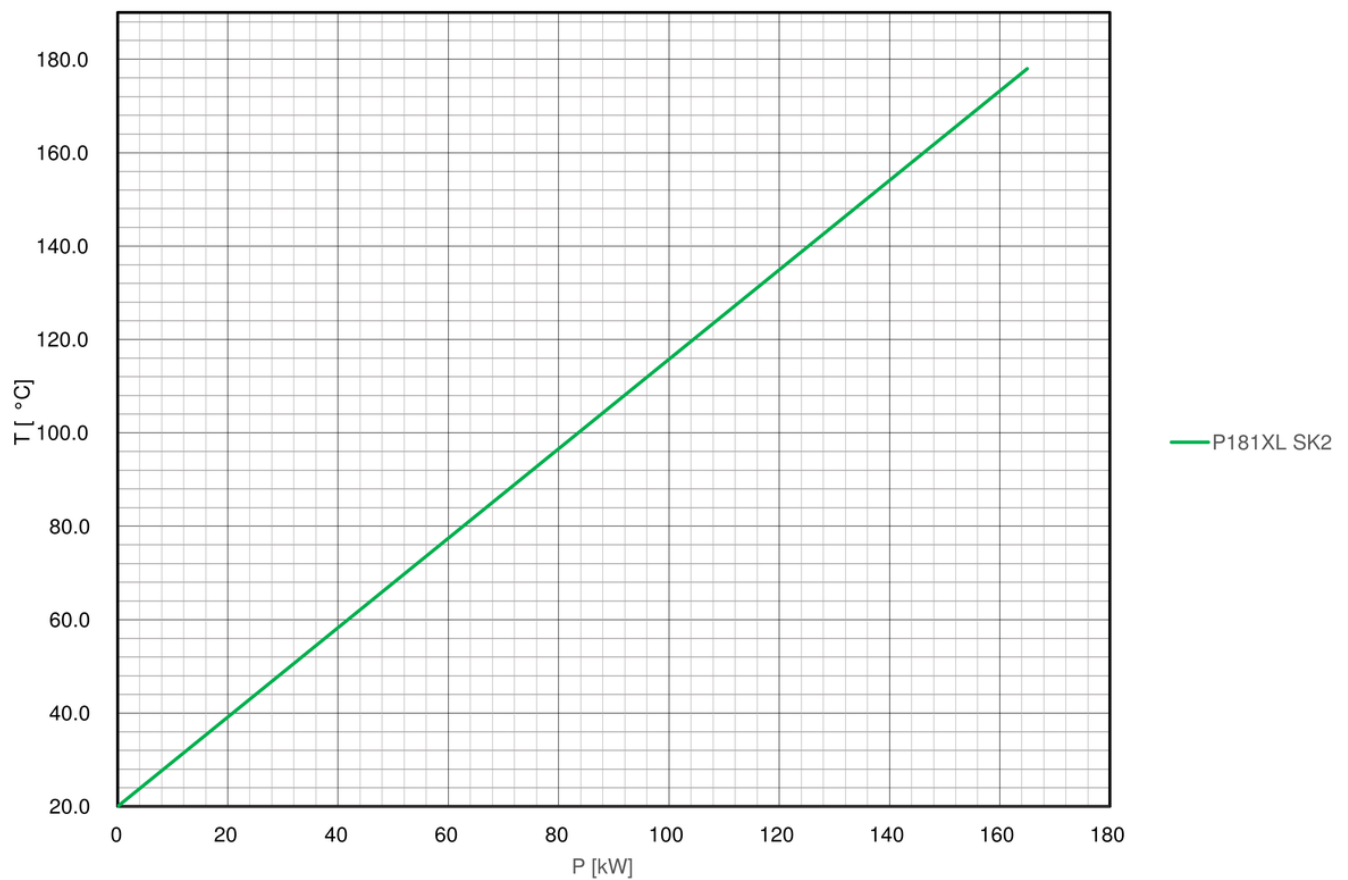
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- Electronic flow measurement
- Pump PM85H only with frequency converter
- RT100 control system

Pump curve



## Cooling curve



## Representation Switzerland

### Injection Molding, Die Casting, other Applications

Regloplas AG  
Spühlstrasse 6  
9016 St. Gallen  
Switzerland

Tel +41 71 282 58 00  
Email [info@regloplas.com](mailto:info@regloplas.com)