

# P180LD

Dual zone pressurised-water temperature control unit up to 180 °C

- Control system RT200 with 2 seperate displays
- Robust pump with flow rate of 80 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	17 kW	170 °C	76 kW	SM82H	80 l/min	2.8 kW
			170 °C	90 kW			

Technical data

<b>Outlet temperature</b>			
max.	°C	180	
<b>Heat transfer medium</b>		Water	
Filling quantity	l	3.0	
Expansion volume	l	2.0	
<b>Heating capacity at 400V</b>	kW	17	
<b>Cooling capacity</b>	kW	76	90
Cooler		SK	2SK
at outlet temperature	°C	170	170
at cooling water temperature	°C	20	20
<b>Pump capacity/Type</b>		SM82H	
Flow rate max.	l/min	80	
Power consumption	kW	2.8	
Pressure max.	bar	9.0	
<b>Control system</b>		RT100 / RT200	
Measuring mode (standard)		Pt100	
<b>Operating voltage</b>	V/Hz	400 V, 50 Hz, 3 PE	
<b>Connections</b>			
Outlet/Inlet		G3/4"	
Cooling water mains		G1/2"	
<b>Degree of protection</b>		IP54	
<b>Dimensions W/H/D</b>	mm	507/1167/1492	
<b>Weight</b>	kg	280	
<b>Color</b>	RAL	9006/7016	
<b>Ambient temperature</b>			
max.	°C	40	
<b>Noise level</b>	db (A)	< 70	

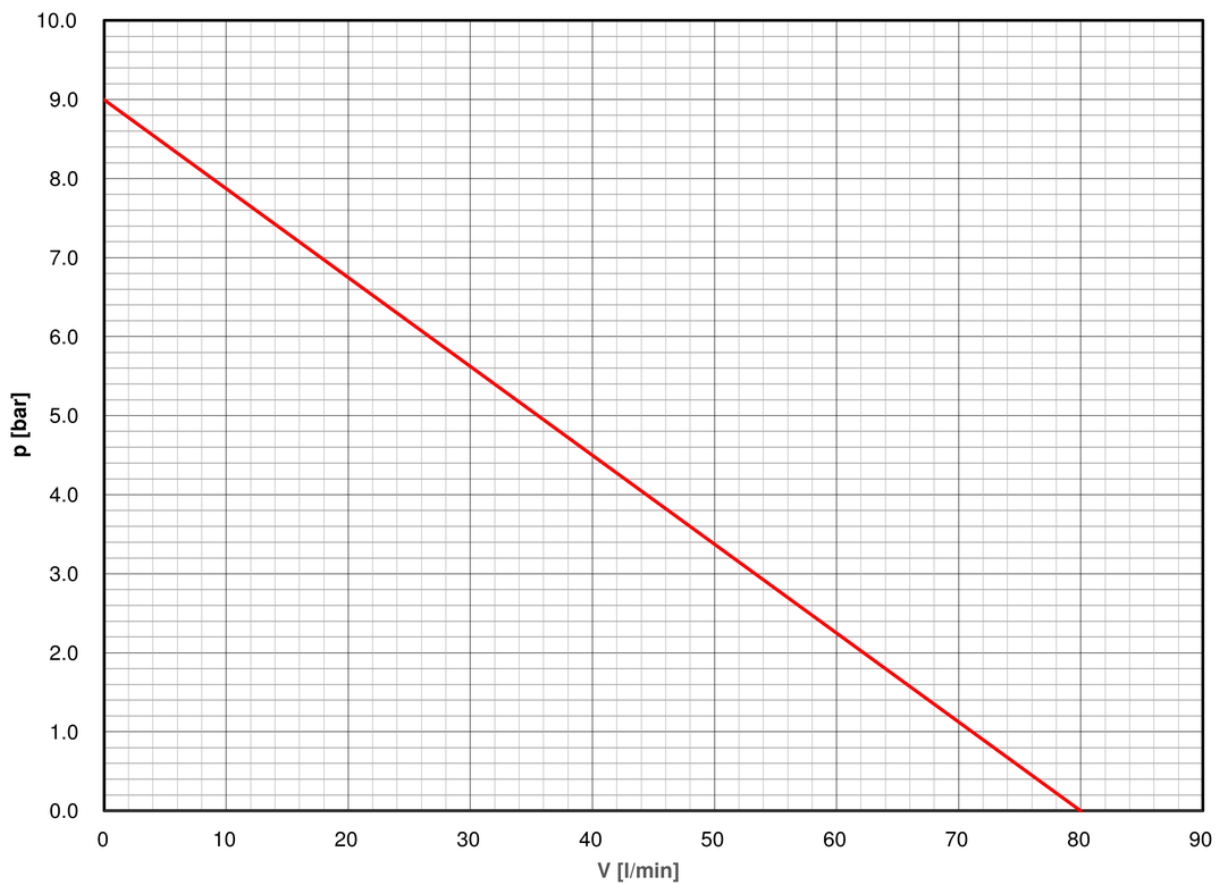
## Standard equipment

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

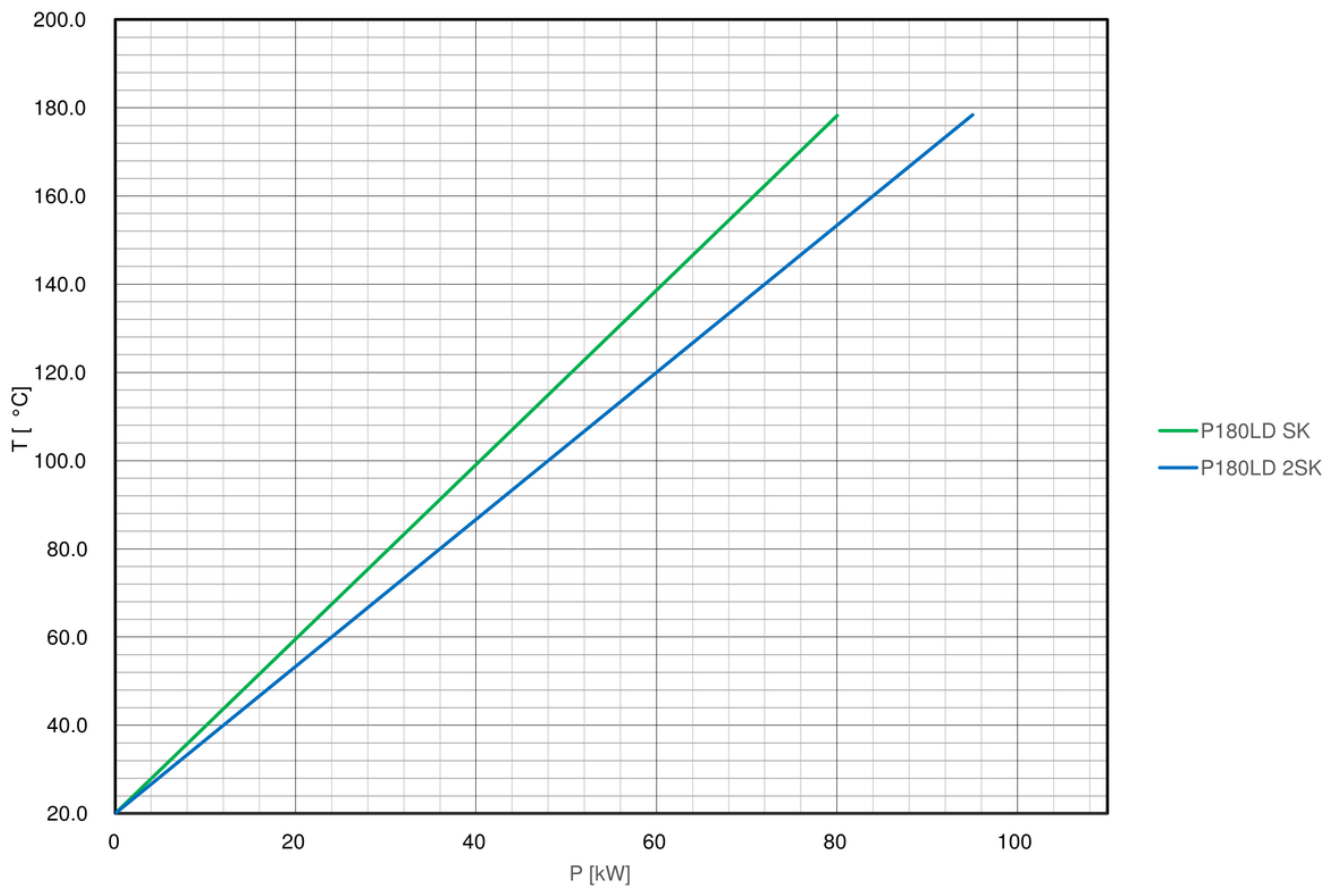
## Options

- Electronic flow measurement
- Hand valve in inlet and outlet
- Pump control
- RT100 control system

## Pump curve



## Cooling curve



## Representation Switzerland

### Injection Molding, Die Casting, other Applications

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