

# P180MD

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

- Control System RT200
- Pump with high flow rate: 100 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	8 / 18 kW	170 °C	76 kW	SM73H	60 l/min	1.0 kW
			170 °C	90 kW	SM75H	90 l/min	1.5 kW
					PM75H	85 l/min	2.2 kW

## Technical data

<b>Outlet temperature</b>				
max.	°C	180		
<b>Heat transfer medium</b>		Water		
Filling quantity	l	1.9		
Expansion volume	l	-		
<b>Heating capacity at 400V</b>	kW	8 / 18		
<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>		SM73H	SM75H	PM75H
Flow rate max.	l/min	60	90	85
Power consumption	kW	1.0	1.5	2.2
Pressure max.	bar	6.0	6.0	9.8
<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		G3/4"		
Cooling water mains		G1/2"		
<b>Degree of protection</b>		IP54		
<b>Dimensions W/H/D</b>	mm	416/1430/1037		
<b>Weight</b>	kg	170		
<b>Color</b>	RAL	9006/7016		
<b>Ambient temperature</b>				
max.	°C	40		
<b>Noise level</b>	db (A)	< 70		

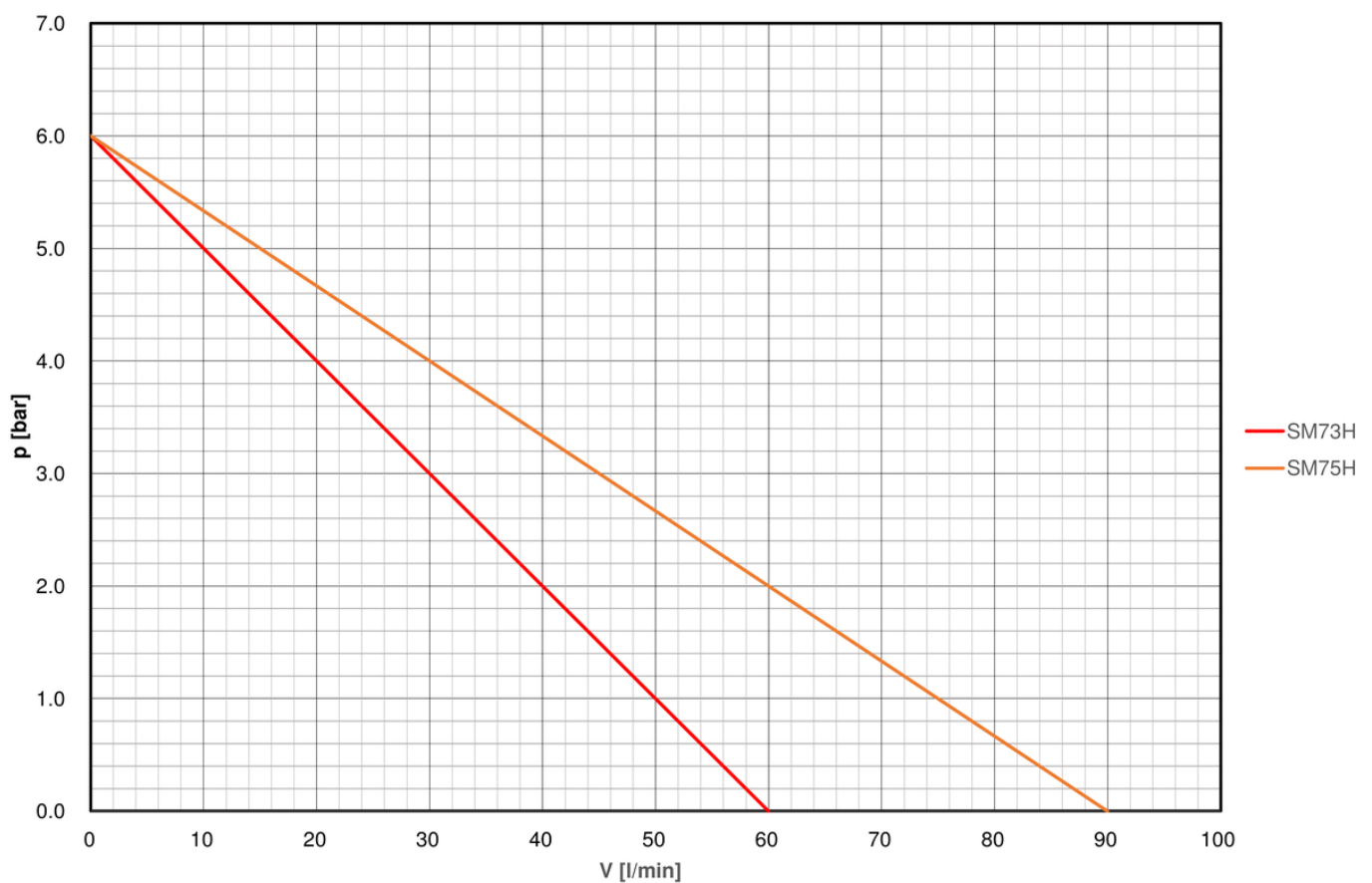
## Standard equipment

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

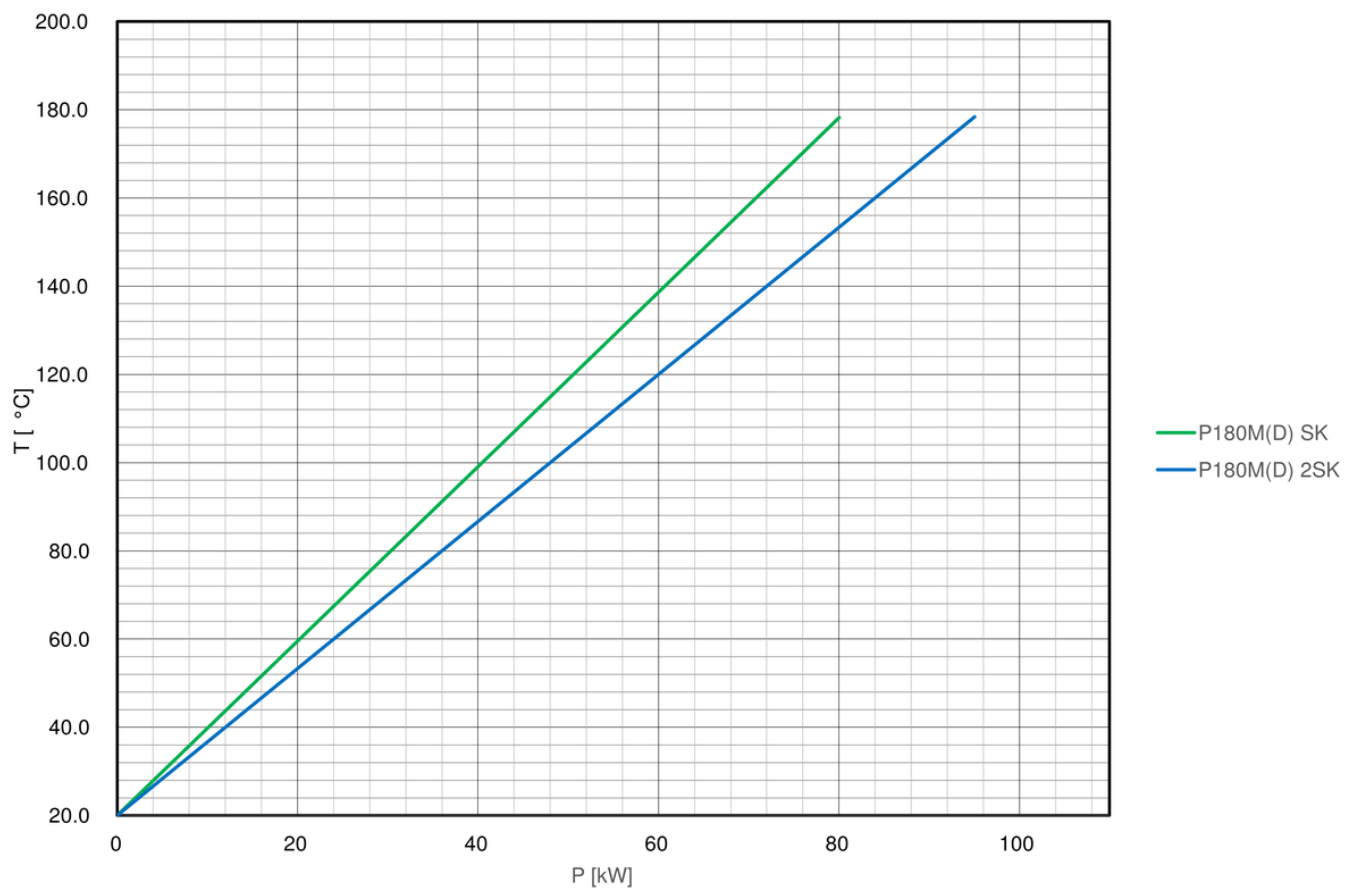
## Options

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

## Pump curve



## Cooling curve



## Representation Switzerland

### Injection Molding, Die Casting, other Applications

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