

REGLOPLAS

every degree counts.



# P180MD

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

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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		
			170 °C	76 kW	SM73H	60 l/min	1.0 kW
Water	180 °C	8 / 18 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.	180			°C
<b>Heat transfer medium</b>				
	Water			
Filling quantity	23 - 25			l
Expansion volume	10			l
Filling quantity	1.9			l
Expansion volume	-			l
<b>Heating capacity at 400V</b>				
	8 / 18			kW
<b>Cooling capacity</b>				
	76	90		kW
Cooler	SK	2SK		
at outlet temperature	170	170		°C
at cooling water temperature	20	20		°C
<b>Pump capacity/Type</b>				
	SM73H	SM75H	PM75H	
Flow rate max.	60	90	85	l/min
Power consumption	1.0	1.5	2.2	kW
Pressure max.	6.0	6.0	9.8	bar
<b>Control system</b>				
	RT100 / RT200			
Measuring mode (standard)	Pt100			
<b>Operating voltage</b>				
	3 x 400 V, 50/60 Hz			V/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>				
	416/1430/1037			mm
<b>Weight</b>				
	170			kg
<b>Color</b>				
	9006/7016			RAL
<b>Ambient temperature</b>				
max.	40			°C
<b>Noise level</b>				
	< 70			db (A)

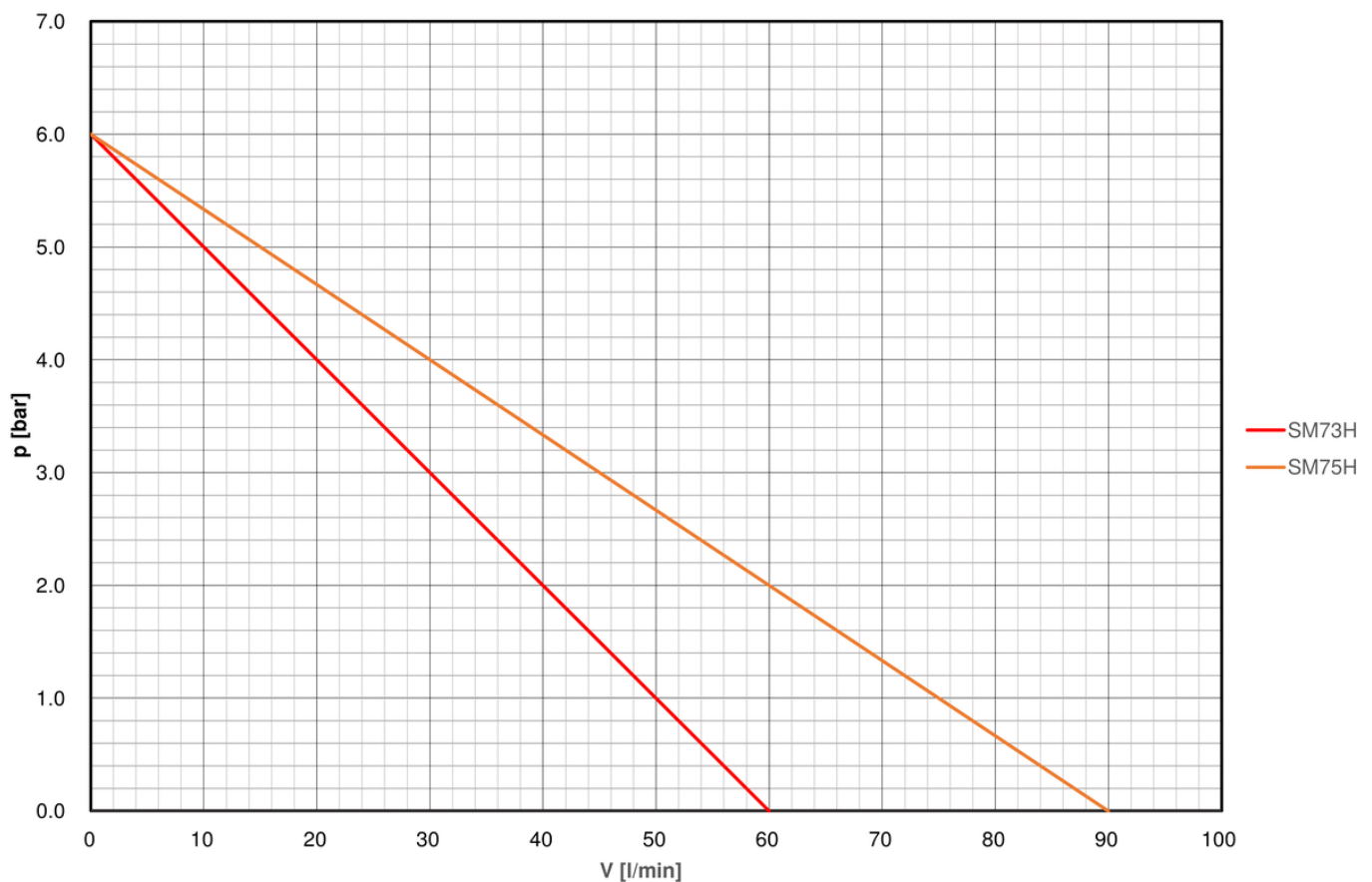
## Standard equipment

- 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

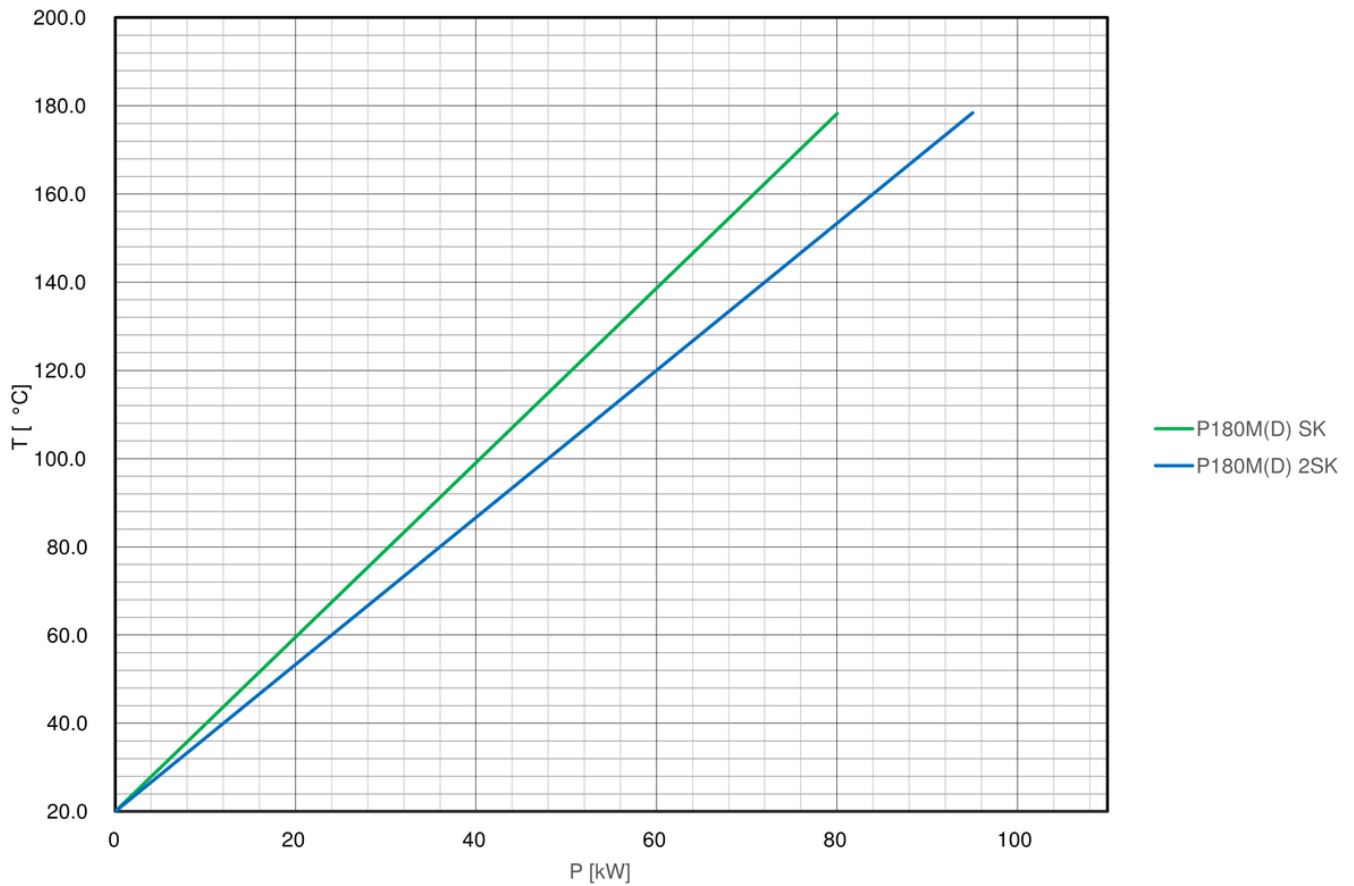
- Electronic flow measurement
- Hand valve in inlet and outlet
- RT100 control system

## Pump curve



## Cooling curve

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## Representation Switzerland

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Injection Molding, Die Casting, other Applications