P180M

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 170 °C	76 kW 90 kW	SM73H SM75H PM75H	60 l/min 90 l/min 85 l/min	1.0 kW 1.5 kW 2.2 kW

Technical data

Outlet temperature				
max.	°C	180		
Heat transfer medium		Water		
Filling quantity	l	1.9		
Expansion volume	l	-		
Heating capacity at 400V	kW	8 / 18		
Cooling capacity	kW	76	90	
Cooler		SK	2SK	
at outlet temperature	°C	170	170	
at cooling water temperature	°C	20	20	
Pump capacity/Type		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
Control system		RT100 / RT200		
Measuring mode (standard)		Pt100		
Operating voltage	V/Hz	200-600 V, 50/60 Hz		
Connections				
Outlet/Inlet		G3/4"		
Cooling water mains		G1/2"		
Degree of protection		IP54		
Dimensions W/H/D	mm	295/711/914		
Weight	kg	84		
Color	RAL	9006/7016		
Ambient temperature				
max.	°C	40		
Noise level	db (A)	< 70		

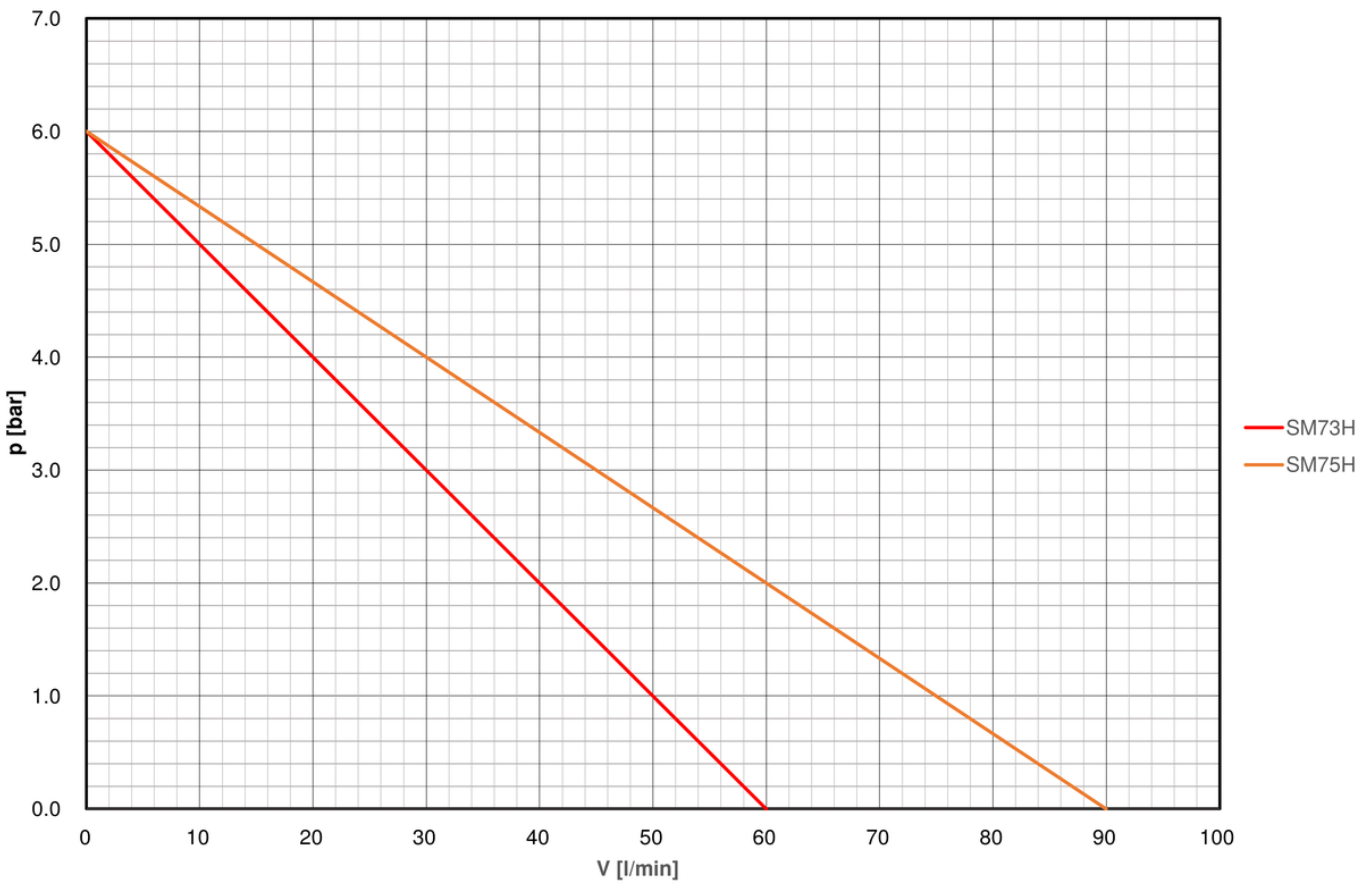
Standard equipment

- 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

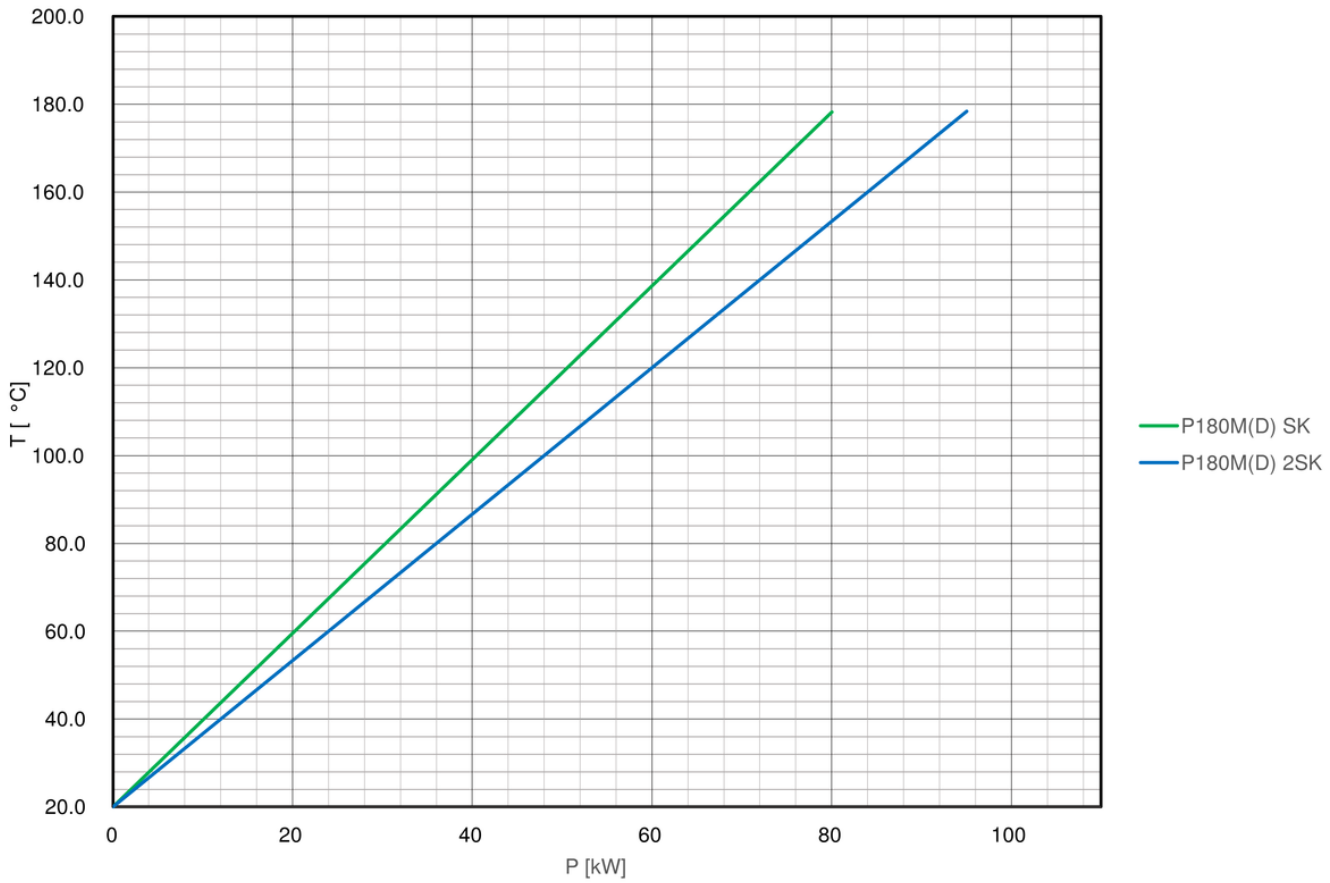
Options

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

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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