



# P120smart

Temperature control unit for water up to 120 °C

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- RT70 control system with 3.5" TFT display
- Pumps with high flow rate: 105 l/min or 125 l/min
- Heating capacity: 8 kW (400V) EU standard / 10 kW (480V) US standard



## Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
					CM 5-4	105 l/min	1.1 kW
Water	120 °C	8 kW (480V) 10 kW	110 °C	160 kW	CM 5-3	125 l/min	1.1 kW

## Technical data

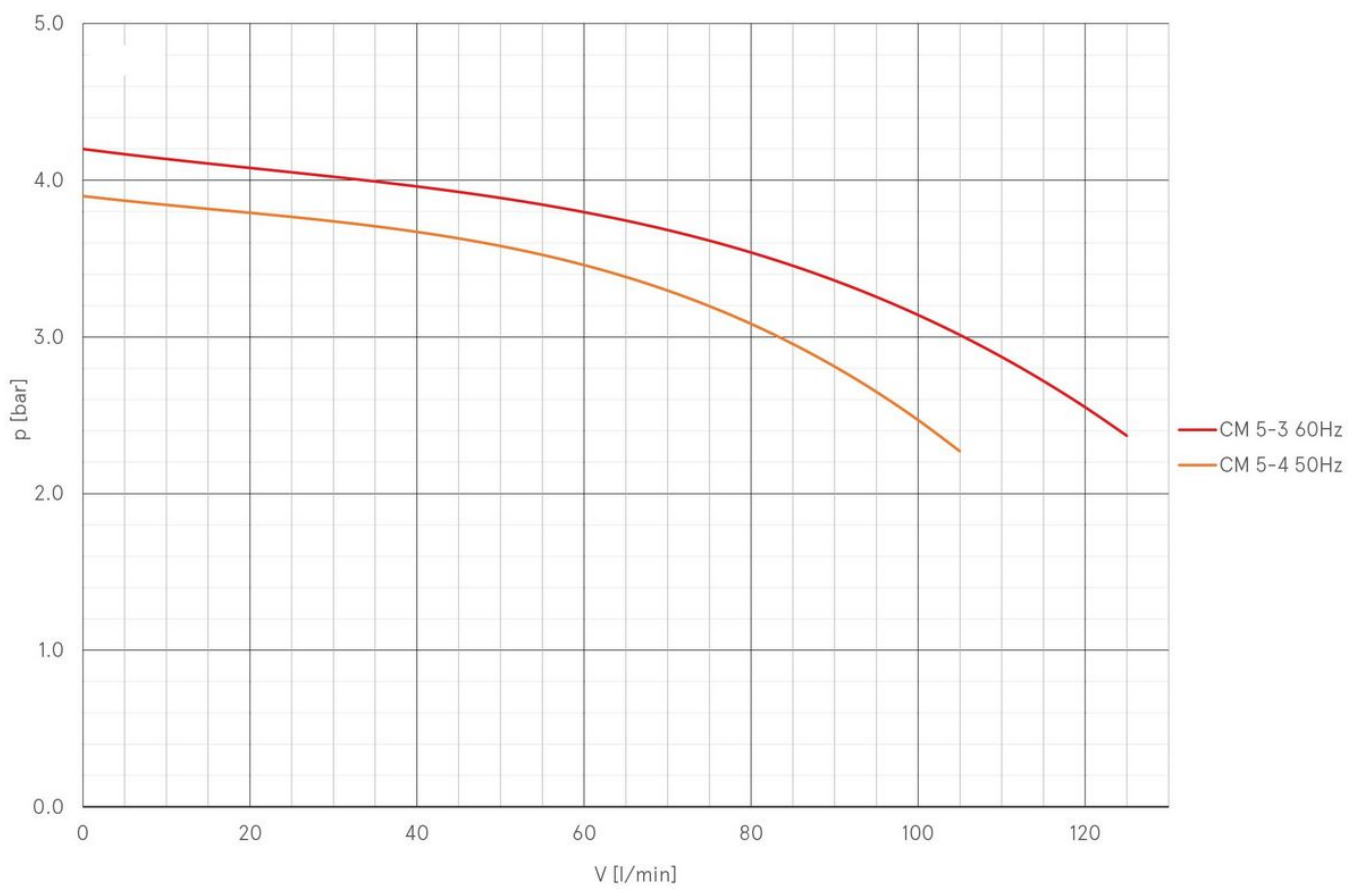
<b>Outlet temperature</b>			
max.	120		°C
<b>Heat transfer medium</b>	Water		
Filling quantity	3.0		l
Expansion volume	-		l
<b>Heating capacity at 400V</b>	8		kW
Heating capacity at 480V	(480V) 10		kW
<b>Cooling capacity</b>	160		kW
Cooler	DK		
at outlet temperature	110		°C
at cooling water temperature	20		°C
<b>Pump capacity/Type</b>	CM 5-4	CM 5-3	
Flow rate max.	105	125	l/min
Power consumption	1.1	1.1	kW
Pressure max.	3.8	4.2	bar
<b>Control system</b>	RT70		
Measuring mode (standard)	Pt100		
<b>Operating voltage</b>	380-415 V / 50 Hz	380-415 V / 60 Hz   440-480 V / 60 Hz	V/Hz
<b>Connections</b>			
Outlet/Inlet	G1"		
Cooling water mains	G3/4"		
<b>Degree of protection</b>	IP40		
<b>Dimensions W/H/D</b>	240/600/644		mm
<b>Weight</b>	40		kg
<b>Color</b>	9006/7043		RAL
<b>Ambient temperature</b>			
max.	40		°C
<b>Noise level</b>	< 70		db (A)

### Standard equipment

### Options

- RT70 control system with 3.5" TFT display
  - Solid-state relay (SSR) instead of heating contactor
  - Filter in the main circuit
  - Automatic water refill
  - Direct cooling (DK)
  - Unit in IP40 protection degree
- Electronic flow measurement

### Pump curve



## Representation Switzerland

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Injection Molding, Die Casting, other Applications

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