

# P100smart

Temperature control unit for water up to 100 °C

- RT70 control system with 3.5" TFT display
- Pump with high flow rate: 40 l/min
- Leak-free pump with magnetic coupling



## Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
Water	100 °C	8 kW	90 °C	145 kW	SM22	40 l/min	0.5 kW

## Technical data

<b>Outlet temperature</b>		
max.	°C	100
<b>Heat transfer medium</b>		Water
Filling quantity	l	1.0
Expansion volume	l	-
<b>Heating capacity at 400V</b>	kW	8
<b>Cooling capacity</b>	kW	145
Cooler		DK
at outlet temperature	°C	90
at cooling water temperature	°C	20
<b>Pump capacity/Type</b>		SM22
Flow rate max.	l/min	40
Power consumption	kW	0.5
Pressure max.	bar	5.0
<b>Control system</b>		RT70
Measuring mode (standard)		Pt100
<b>Operating voltage</b>	V/Hz	380-480 V, 50/60 Hz
<b>Connections</b>		
Outlet/Inlet		G1/2"
Cooling water mains		G1/2"
<b>Degree of protection</b>		IP40
<b>Dimensions W/H/D</b>	mm	233/595/746
<b>Weight</b>	kg	50
<b>Color</b>	RAL	9006/7016
<b>Ambient temperature</b>		
max.	°C	40
<b>Noise level</b>	db (A)	< 70

## Standard equipment

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

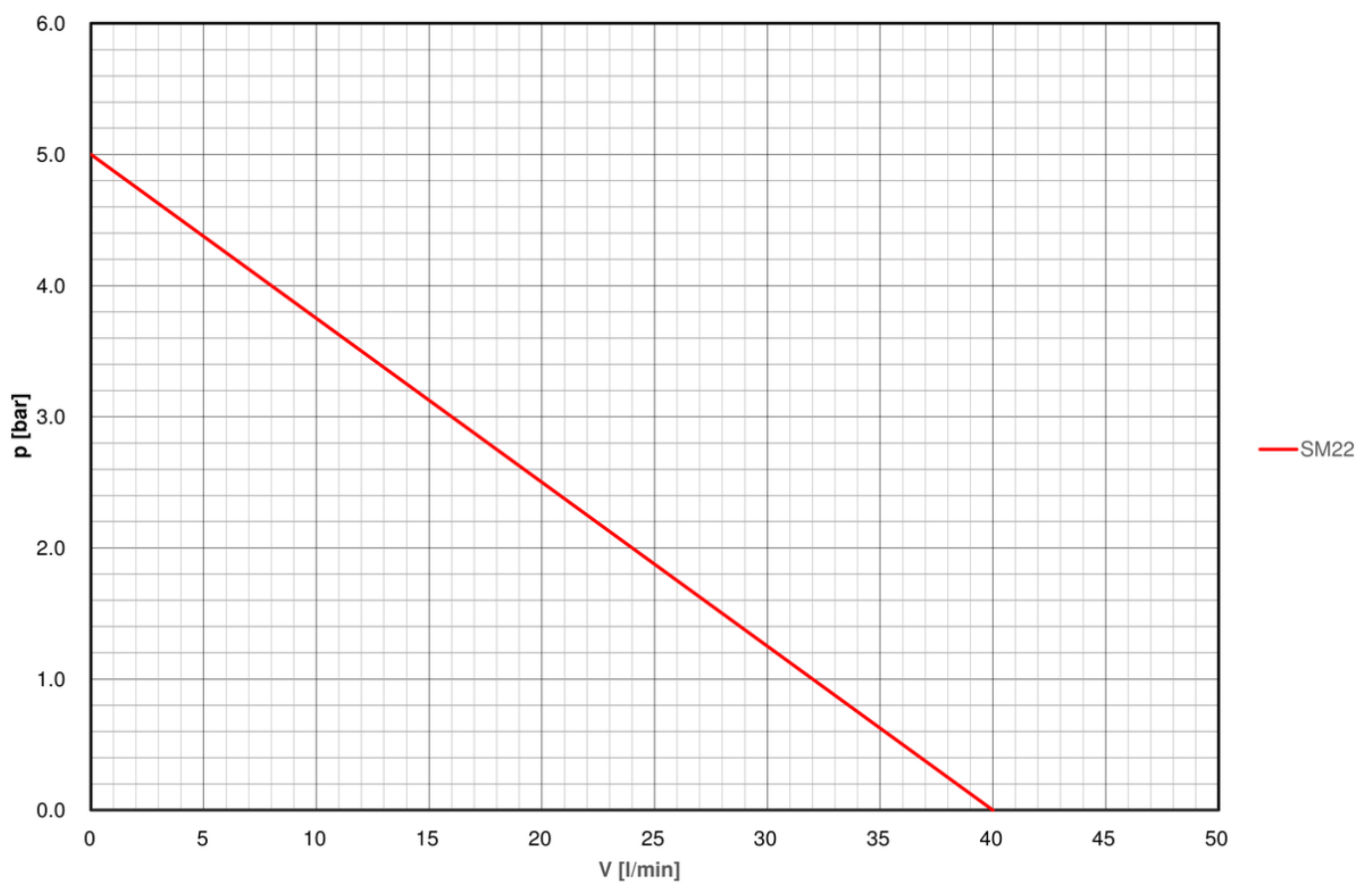
## Options

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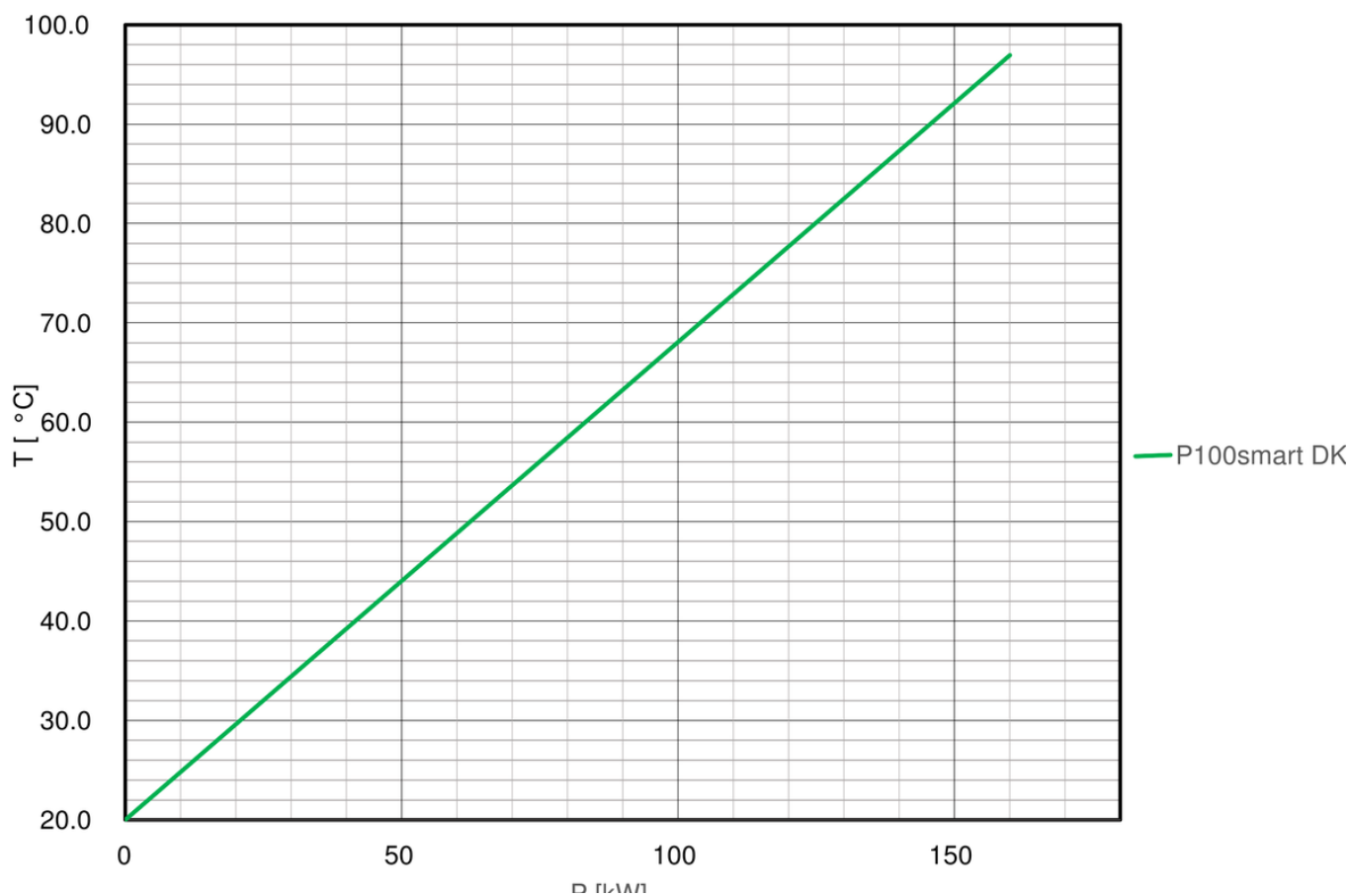
- Electronic flow measurement

## Pump curve

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Cooling curve



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