

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

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

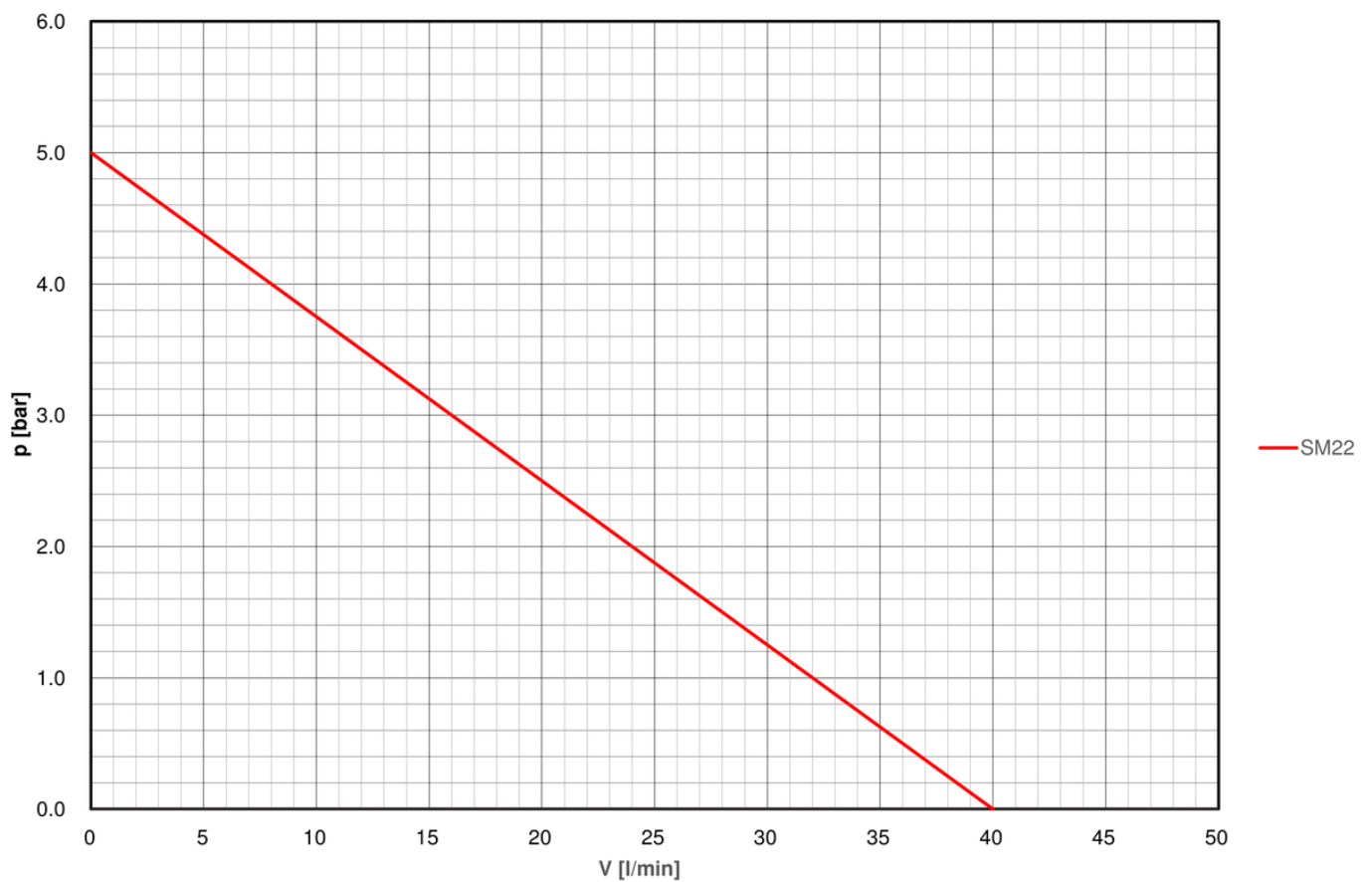
Standard equipment

- 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

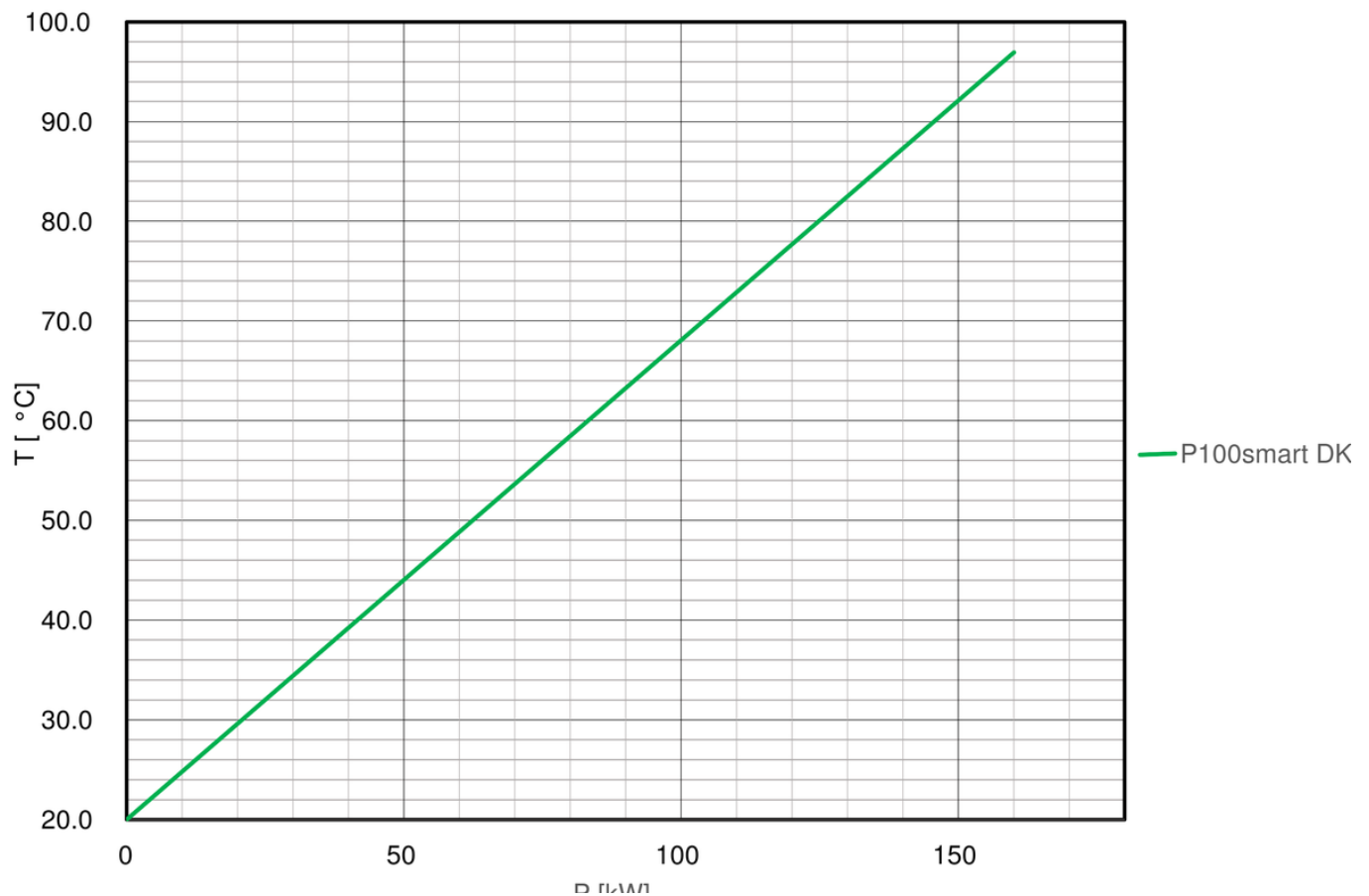
Options

- Electronic flow measurement

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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