# P140M

**Pressurised-water temperature control unit up to 140 °C**

- Control system RT200
- Pump with high flow rate: 60 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 | 140 °C | 8 / 18 kW | 130 °C<br>130 °C | 56 kW<br>68 kW | SM73<br>SM75<br>PM75 | 60 l/min<br>90 l/min<br>85 l/min | 1.0 kW<br>1.5 kW<br>2.2 kW |

## Technical data

| | | | | |
|---|---|---|---|---|
| **Outlet temperature** | | | | |
| max. | °C | 140 | | |
| **Heat transfer medium** | | Water | | |
| Filling quantity | l | 1.9 | | |
| Expansion volume | l | - | | |
| **Heating capacity at 400V** | kW | 8 / 18 | | |
| **Cooling capacity** | kW | 56 | 68 | |
| Cooler | | SK | 2SK | |
| at outlet temperature | °C | 130 | 130 | |
| at cooling water temperature | °C | 20 | 20 | |
| **Pump capacity/Type** | | SM73 | SM75 | PM75 |
| 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 | | |

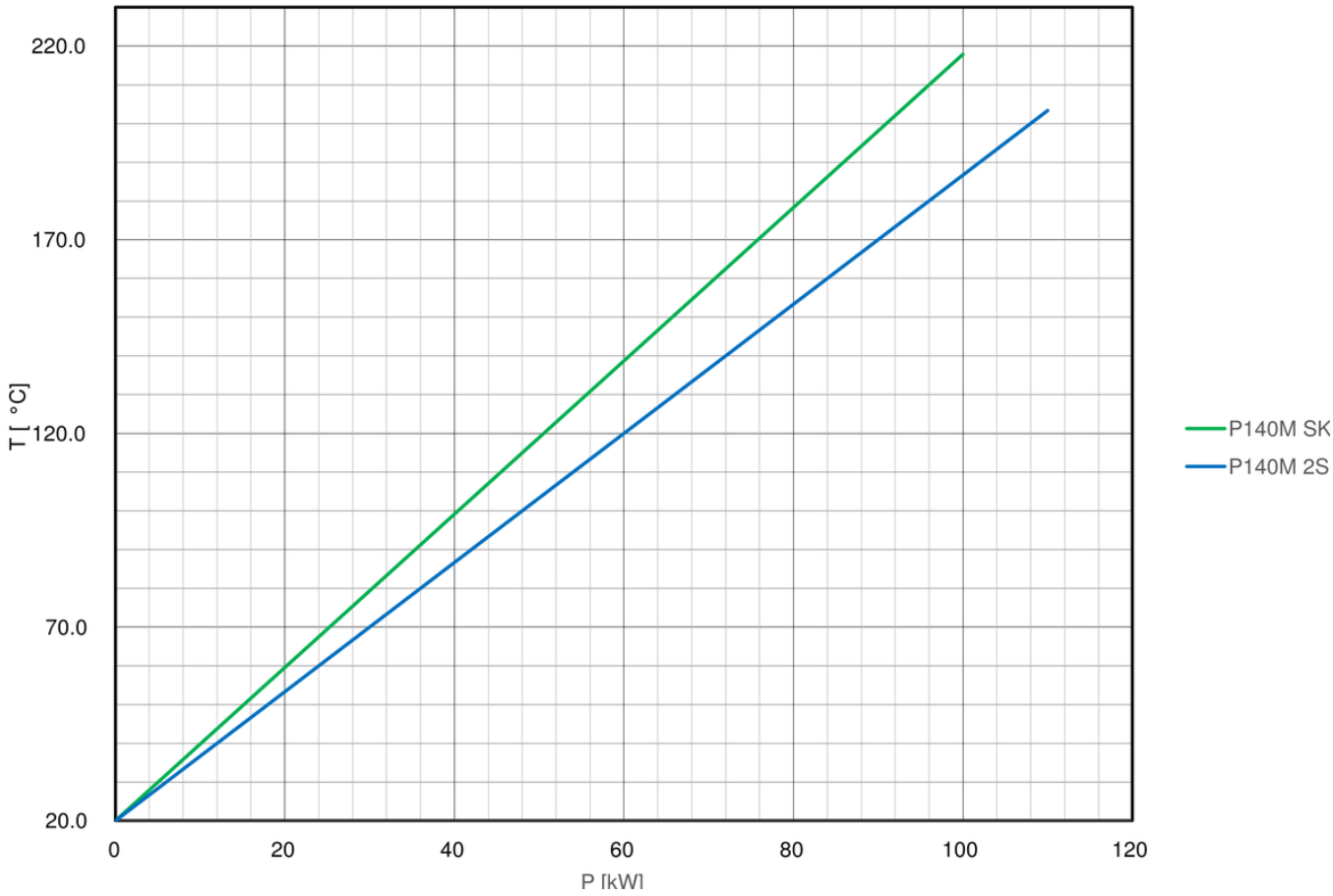
## Standard equipment

- Solid-state relay (SSR) instead of heating contactor
- Filter in the main circuit
- Leak-free pump
- Patented low-scale cooling system (SK)
- Unit in IP54 protection degree
- RT200 control system

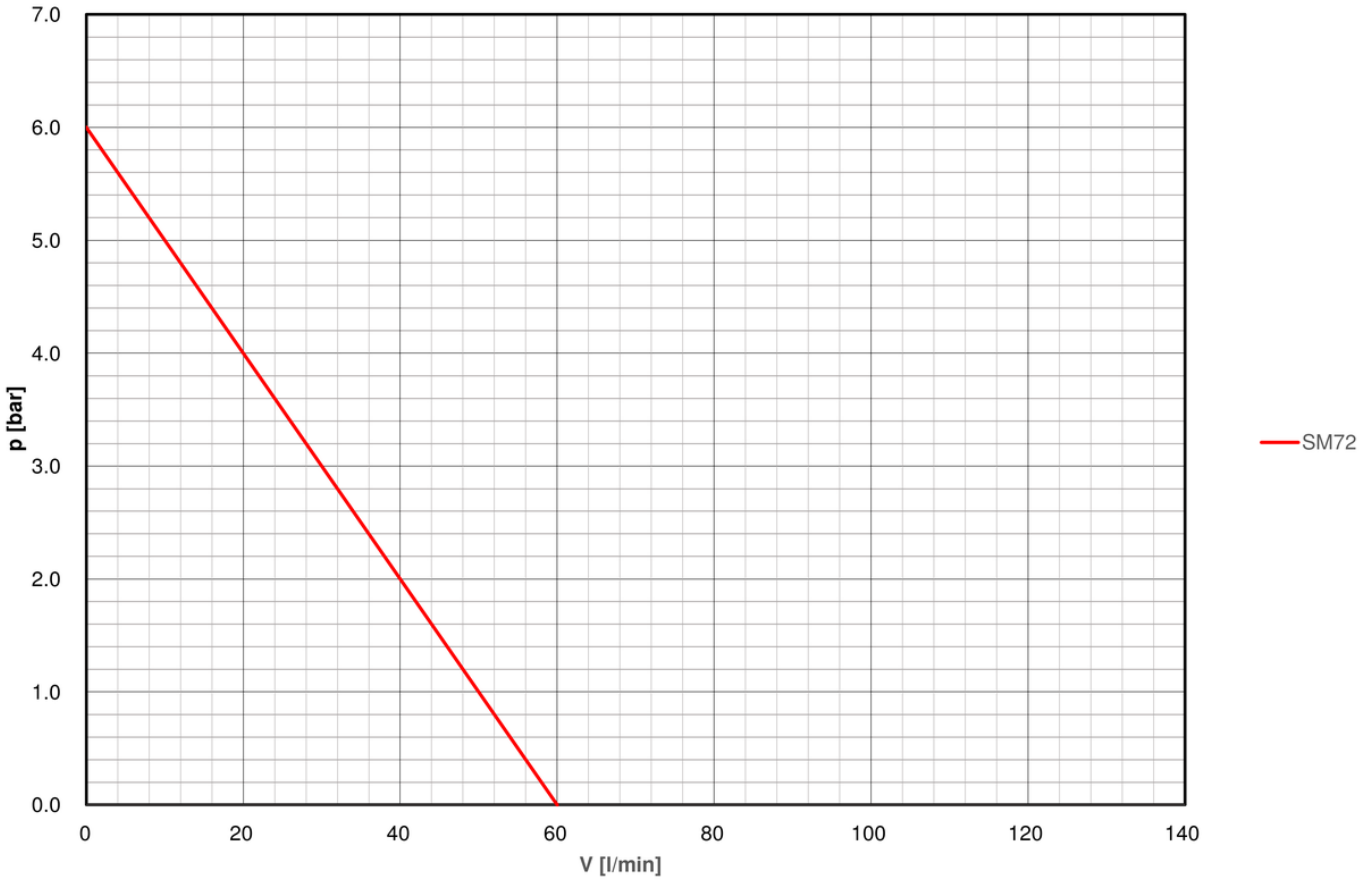
## Options

- Electronic flow measurement
- Hand valve in inlet and outlet
- Cleanroom version
- Pump PM75 only with frequency converter
- RT100 control system

## Cooling curve



## Pump curve




## Representation Switzerland

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