



# P120smart

Temperature control unit for water up to 120 °C

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



## Technical specifications

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

## Technical data

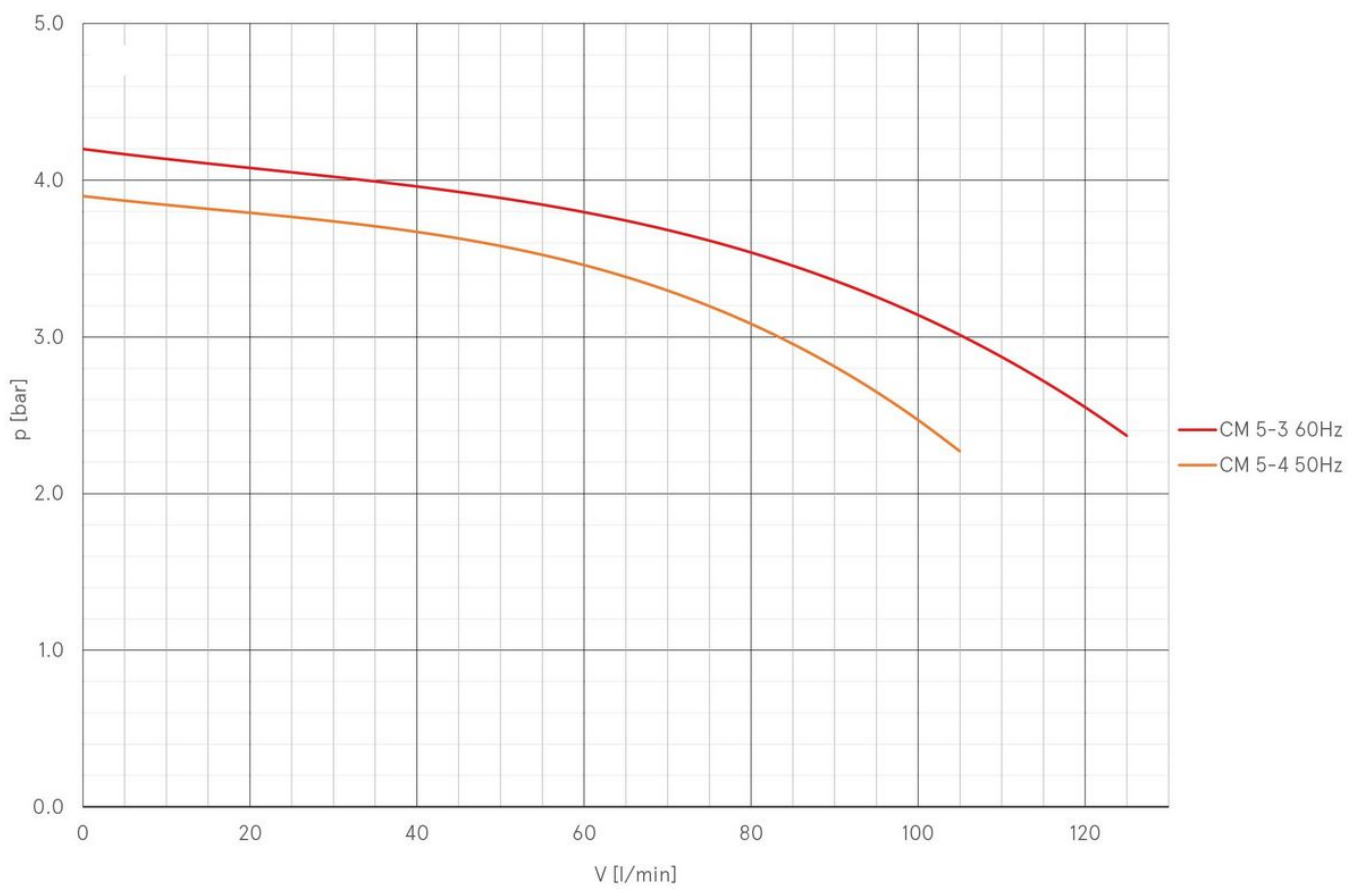
|                                 |                   |                                       |        |
|---------------------------------|-------------------|---------------------------------------|--------|
| <b>Outlet temperature</b>       |                   |                                       |        |
| 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

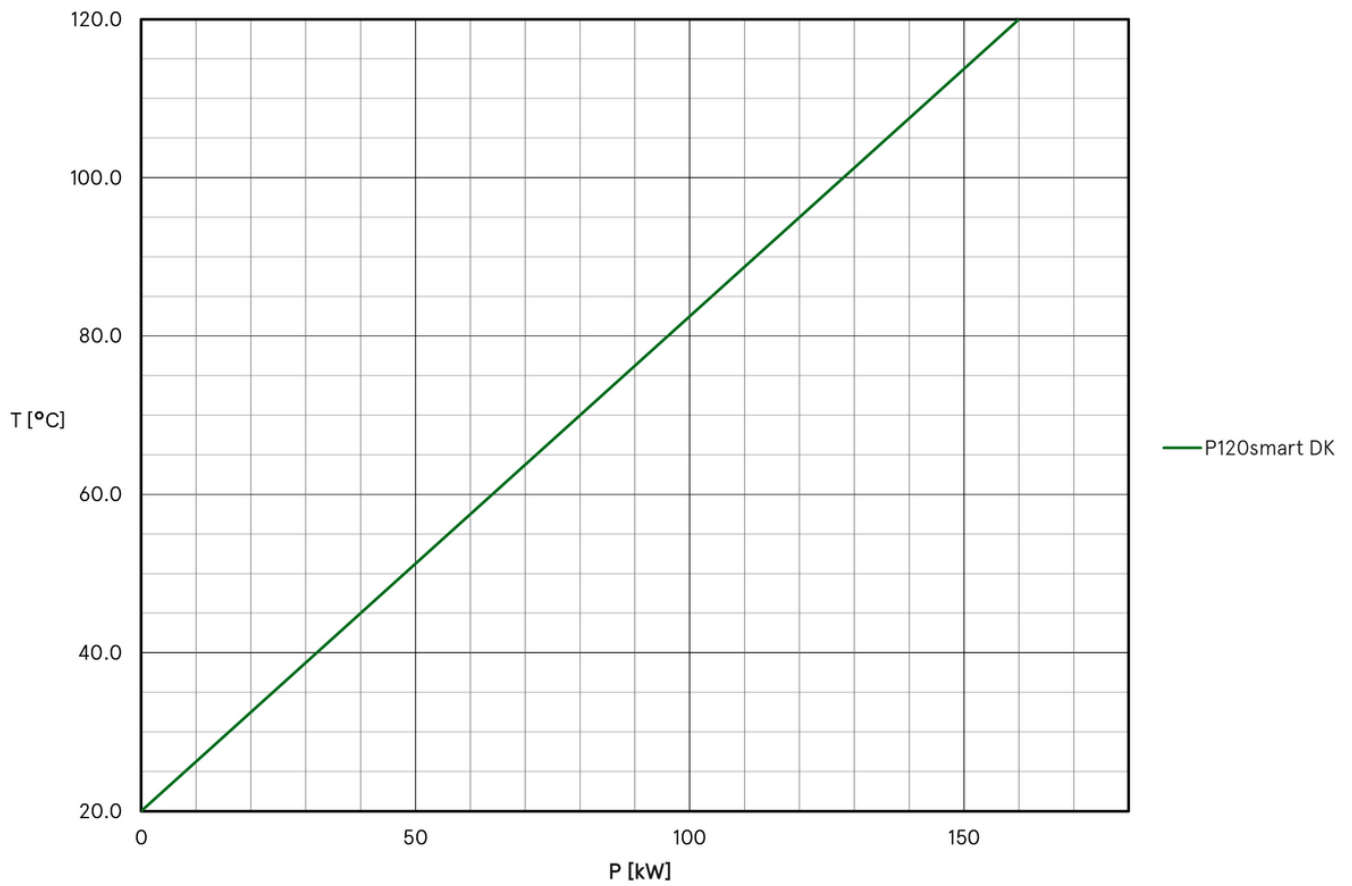
### Options

- 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
- Turbine flow sensor

### Pump curve



## Cooling curve



## Representation Switzerland

Injection Molding, Die Casting, other Applications

Regloplas AG  
 Spühlstrasse 6  
 9016 St. Gallen  
 Switzerland

Tel +41 71 282 58 00  
 Email [info@regloplas.com](mailto:info@regloplas.com)