

P160S eMold

The efficient, energy-saving and compact pressurized-water temperature control unit with unmatched connectivity. Designed for plastic injection molding and industrial applications up to 160 °C

- Automatic energy-saving modes (Delta-T, flow control, pressure control)
- Most efficient, high-performance pump with variable pump speed (IE4, synchronous motor)
- RT200 controller with modern touch interface
- Maximum functionality and features included
- Unmatched RT200-connectivity
- Access through LAN, WLAN, web browser (HTML 5), TeamViewer
- OPC UA interface standard on all units
- Additional interface integrated
- New ESK-cooling with variable capacity
- Separated Cooling circuit (Low calcification, long lifetime)
- Compact, robust, and field-proven design



Technical specifications

| Heat transfer medium | Outlet temperature | Heating capacity at 400V | Cooling capacity | | Pump capacity/Type | | |
|----------------------|--------------------|--------------------------|------------------|-------|--------------------|----------|--------|
| Water | 160 °C | 8 kW | 150 °C | 78 kW | PM23 | 50 l/min | 1.4 kW |

Technical data

| | | |
|---------------------------------|--------|----------------------|
| Outlet temperature | | |
| max. | °C | 160 |
| Heat transfer medium | | |
| Filling quantity | l | 1.0 |
| Expansion volume | l | - |
| Heating capacity at 400V | | |
| | kW | 8 |
| Cooling capacity | | |
| Cooler | | 2ESK |
| at outlet temperature | °C | 150 |
| at cooling water temperature | °C | 20 |
| Pump capacity/Type | | |
| Flow rate max. | l/min | 50 |
| Power consumption | kW | 1.4 |
| Pressure max. | bar | 9.0 |
| Control system | | |
| Measuring mode (standard) | | Pt100 |
| Operating voltage | | |
| | V/Hz | 400/ 50/60 |
| Connections | | |
| Outlet/Inlet | | G1/2" |
| Cooling water mains | | G1/2" |
| Degree of protection | | |
| | | IP54 |
| Dimensions W/H/D | | |
| | mm | 225/590/862 |
| Weight | | |
| | kg | 50 |
| Color | | |
| | | Regloplas green/9005 |
| Ambient temperature | | |
| max. | °C | 40 |
| Noise level | | |
| | db (A) | < 70 |

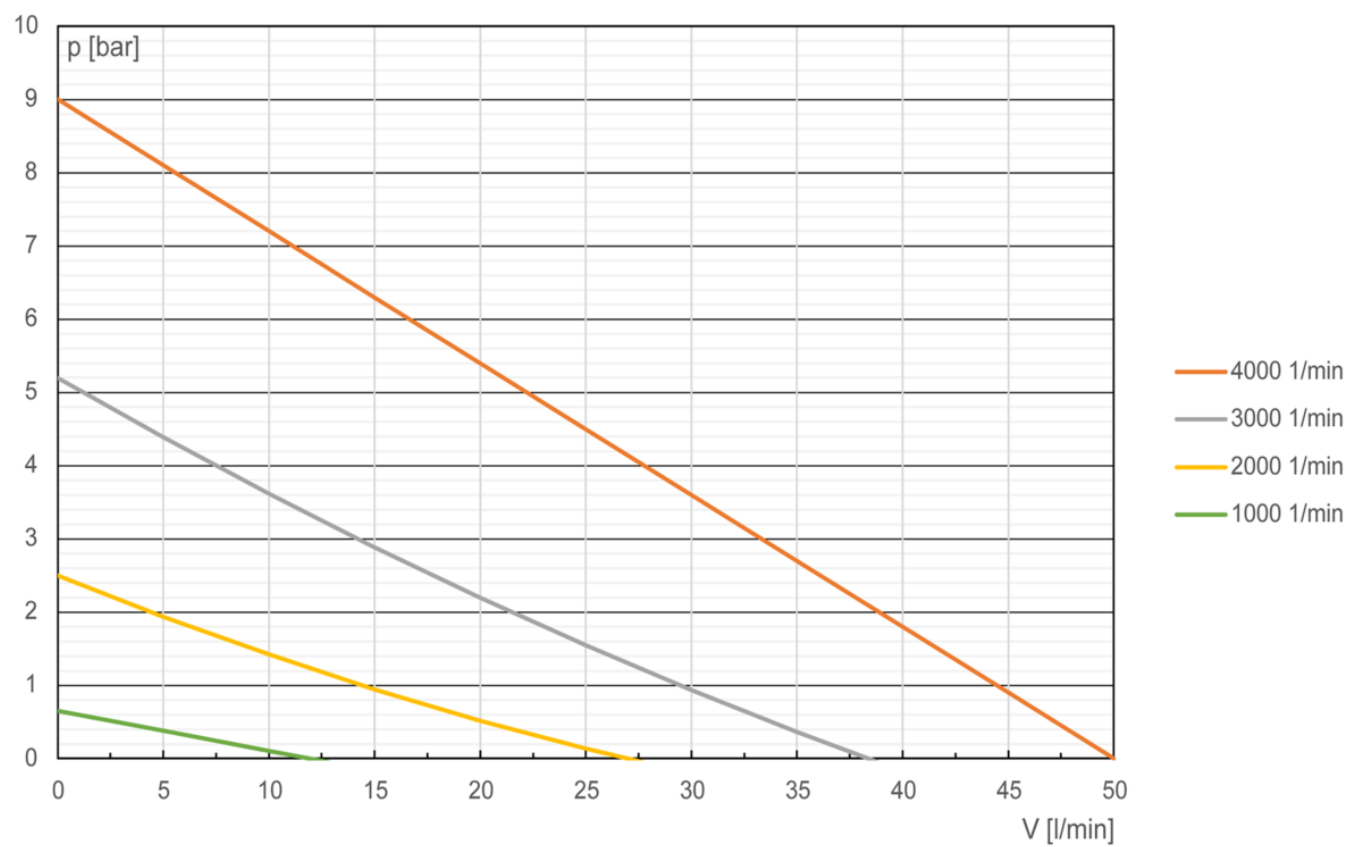
Standard equipment

- Solid-state relay (SSR) instead of heating contactor
- Filter in the main circuit
- Automatic water refill
- Leak-free pump with magnetic coupling
- Low-scaling and variable cooling system
- Direct access to control system via web-browser (HTML 5)
- Online software-update
- Unit in IP54 protection degree
- RT200 control system
- Flow meter VFS160 (inside)
- Timer (Timer function)
- Delta-T control
- Pressure control
- Flow control
- Connection cable 4m for backside unit
- Cascade control Inlet Sn3
- Flushing of unit
- Set point value ramp
- Draining the consumer by suction
- Vapor suppression
- Outlet pressure on Display
- Pump condition monitoring
- Interface OPC UA RT200 (WLAN/Ethernet)
- Ethernet RJ45 Service Interface
- One additional interface of your choice
- USB data logger

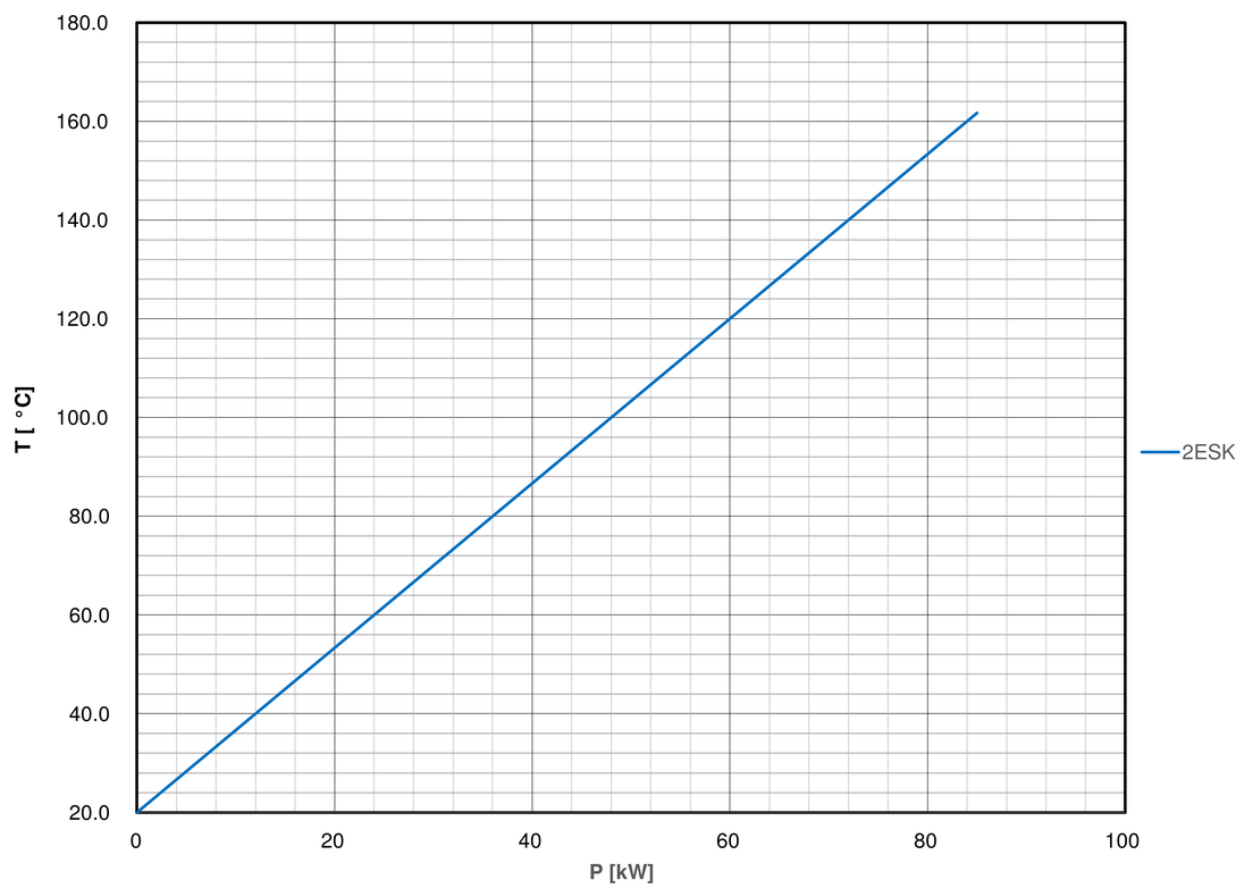
Options

- Manual valve in inlet and outlet
- multiFlow distributor
- Heating current monitoring
- RT100 control system

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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