

**REGLOPLAS**

every degree counts.



## 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

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- 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		
			150 °C	78 kW	PM23	50 l/min	1.4 kW
Water	160 °C	8 kW					

## Technical data

<b>Outlet temperature</b>		
max.	160	°C
<b>Heat transfer medium</b>		
	Water	
Filling quantity	1.0	l
Expansion volume	-	l
<b>Heating capacity at 400V</b>		
	8	kW
<b>Cooling capacity</b>		
	78	kW
Cooler	2ESK	
at outlet temperature	150	°C
at cooling water temperature	20	°C
<b>Pump capacity/Type</b>		
	PM23	
Flow rate max.	50	l/min
Power consumption	1.4	kW
Pressure max.	9.0	bar
<b>Control system</b>		
	RT200	
Measuring mode (standard)	Pt100	
<b>Operating voltage</b>		
	400/ 50/60	V/Hz
<b>Connections</b>		
Outlet/Inlet	G1/2"	
Cooling water mains	G1/2"	
<b>Degree of protection</b>		
	IP54	
<b>Dimensions W/H/D</b>		
	235/594/812	mm
<b>Weight</b>		
	50	kg
<b>Color</b>		
	Regloplas green/9005	
<b>Ambient temperature</b>		
max.	40	°C
<b>Noise level</b>		
	< 70	db (A)

# Regloplas P160S E-Mold

## Standard equipment

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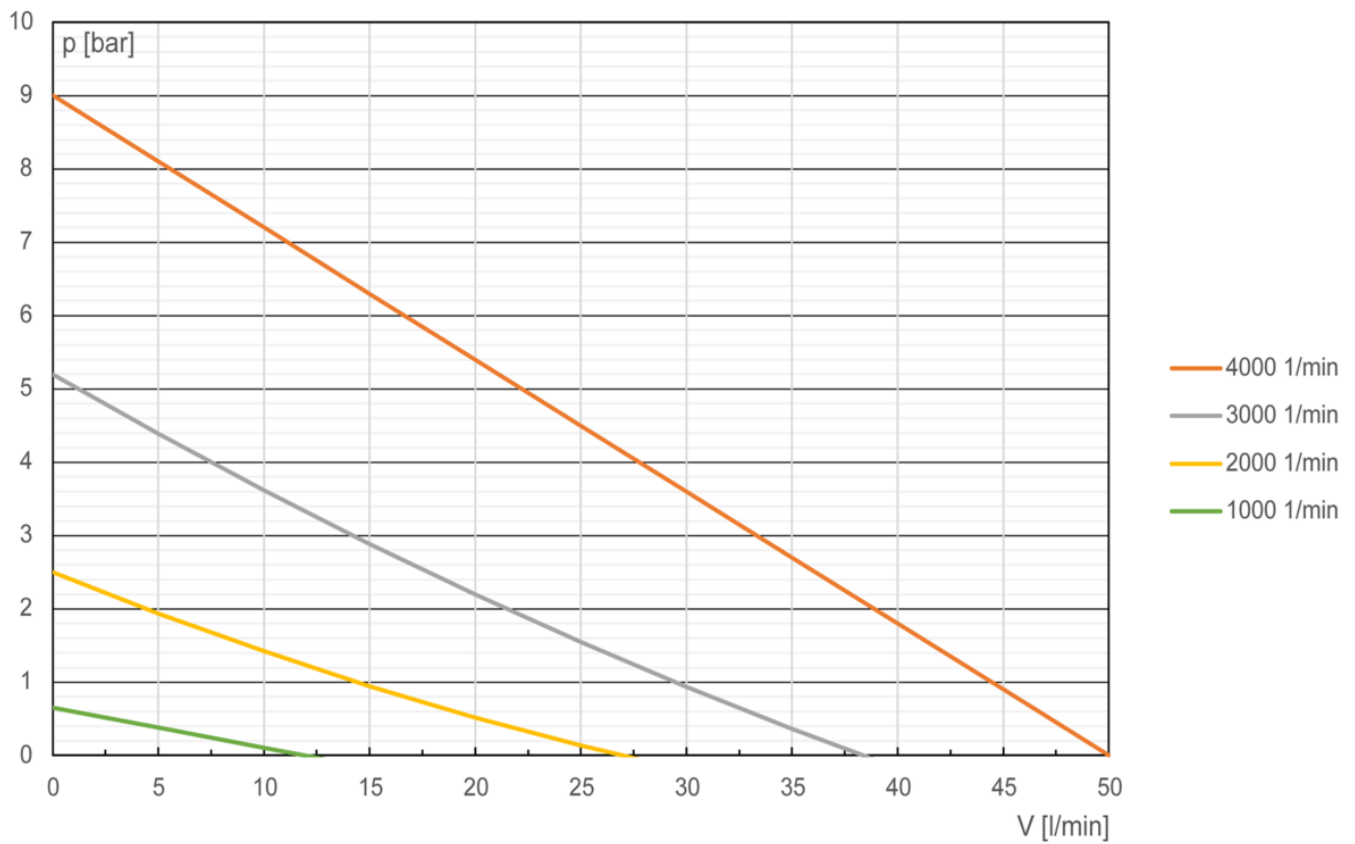
- Solid-state relay (SSR) instead of heating contactor
- Filter in the main circuit
- Automatic water refill
- Leak-free pump with magnetic coupling
- Low-scaling and variable cooling system
- Direct access to control system via web-browser (HTML 5)
- Online software-update
- Unit in IP54 protection 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

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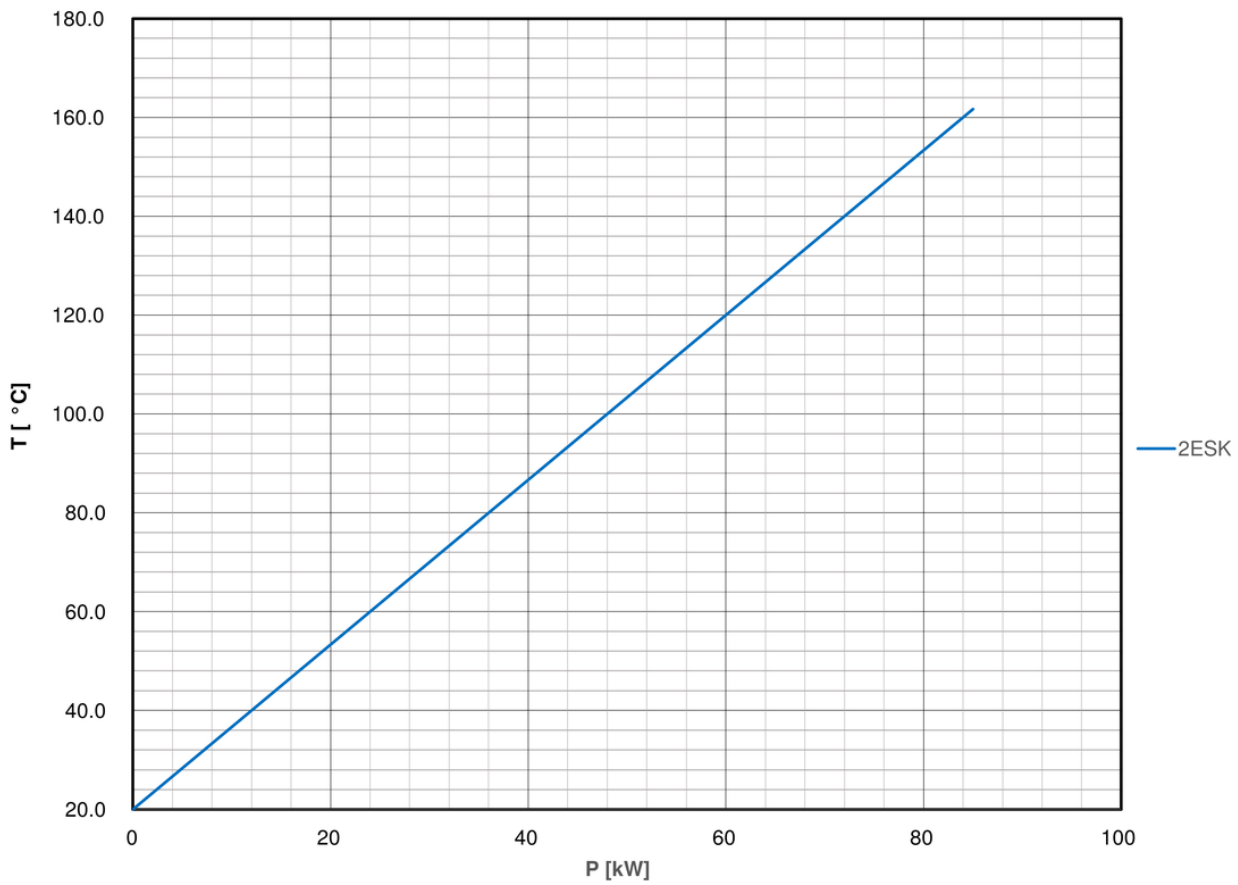
- Manual valve in inlet and outlet
- multiFlow distributor
- Heating current monitoring
- RT100 control system

## Pump curve



## Cooling curve

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## Representation Switzerland

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Injection Molding, Die Casting, other Applications