



## High-performance temperature control units for water up to 140 °C

### Pressurised-water temperature control unit up to 140 °C: P140M



- Innovative pressure control
- Patented low-scale cooling system "SK"
- Pumps with high pumping capacity: 100 l/min
- Microprocessor-controlled control system RT50
- Solid-state relay instead of heating contactor
- Modular configuration

#### Main characteristics

Heat transfer fluid	Water
Outlet temperature max.	140 °C
Heating capacity at 400 V	10/20 kW
Cooling capacity	94 kW
Pump capacity	max. 100 l/min; max. 10 bar

Further information is available at [www.regloplasusa.com](http://www.regloplasusa.com) or in our US brochure

#### Other characteristics

- The excellent heat transfer properties of water compared to oil can be used up to 140°C.
- Controller with multi-line plain text LCD display, selectable language
- Overall device protection class IP54
- Automatic water refill
- Automatic pump rotation correction
- Over 30 data interfaces (option)
- Temperature limit values (-/+)

For the last 45 years – The leaders in temperature control by means of fluid media

#### Regloplas Corporation

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Technical data		
<b>Outlet temperature</b>		
max.	°C	140
<b>Heat transfer fluid</b>		
Water		
Filling quantity	l	3,8
Filling quantity	l	2,8
Expansion volume	l	1,0
<b>Heating capacity at 400 V</b>		
Standard	kW	10
Standard	kW	20
<b>Cooling capacity</b>		
Cooler type		SK
max.	kW	68
Cooler type		2SK
max.	kW	94
at outlet temperature	°C	130
<b>Pump capacity</b>		
Type		SG71
Flow rate max.	l/min	30
Pressure max.	bar	10
Power consumption	kW	1
Type		SG73
Flow rate max.	l/min	60
Pressure max.	bar	6
Power consumption	kW	1
Type		SG75
Flow rate max.	l/min	100
Pressure max.	bar	6
Power consumption	kW	1,5
<b>Control</b>		
Type		RT50
Measuring mode		Pt100
<b>Operating voltage</b>		
Standard	V/Hz	400/50 3PE
<b>Connections</b>		
Outlet/inlet		G3/4"
Cooling water supply		G3/4"
<b>Dimensions</b>		
Width	mm	324
Height	mm	761
Depth	mm	896
<b>Weight</b>		
Standard	kg	80
<b>Ambient temperature</b>		
max.	°C	40

Equipment	P140M
RT100 control system	—
RT50 control system	●
RT61 control system	—
Controller RT32	—
Solid-state relay (SSR) instead of heating contactor	●
Electronic flow measurement	○
Manual shut-off valve in the inlet and outlet	○
Water circuit of non-rusting materials	●
Automatic water refill	●
Filter in the main circuit	●
Filter in the cooling water circuit	●
Leak-free pump	○
Patented low-scale cooling system "SK"	●
Pressure gauge outlet	●
Pressure gauge for system pressure	●
Unit in IP54 protection degree	●
Drainage of the fluid from the consumer by suction	●
Direct cooling	—
Switchover direct/indirect cooling	○

● Standard    ○ Option    — Not available    ● / ○ / — Device-related



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