

## 90S - Open Bath Water up to 90 °C

Temperature control unit for water up to 90 °C

- Control system RT200 or RT100
- Immersion pump with high flow rate: 60 l/min
- Immersion pump with high flow rate: optional 70 l/min
- Solid-state relay instead of heating contactor



Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
			80 °C	51 kW	TP20	60 l/min	0.5 kW
Water	90 °C	6 / 9 kW	80 °C	75 kW	TS22	70 l/min	0.92 kW

Technical data			
<b>Outlet temperature</b>			
max.	°C	90	
<b>Heat transfer medium</b>		Water	
Filling quantity	l	7.0	
Expansion volume	l	2.5	
<b>Heating capacity at 400V</b>	kW	6 / 9	
<b>Cooling capacity</b>	kW	51	75
Cooler		1K	2K
at outlet temperature	°C	80	80
at cooling water temperature	°C	20	20
<b>Pump capacity/Type</b>		TP20	TS22
Flow rate max.	l/min	60	70
Power consumption	kW	0.5	0.92
Pressure max.	bar	3.8	5.0
<b>Control system</b>		RT100 / RT200	
Measuring mode (Standard)		Pt100	
<b>Operating voltage</b>	V/Hz	200-600 V, 50/60 Hz	
<b>Connections</b>			
Outlet/Inlet		G1/2"	
Cooling water mains		G1/2"	
<b>Degree of protection</b>		IP40	
<b>Dimensions W/H/D</b>	mm	202/560/732	
<b>Weight</b>	kg	45	
<b>Color</b>	RAL	9006/7016	
<b>Ambient temperature</b>			
max.	°C	40	
<b>Noise level</b>	db (A)	< 70	

## Standard equipment

Solid-state relay (SSR) instead of heating contactor  
Immersion pump  
Indirect cooling  
Automatic water refill  
Filter in the cooling water circuit  
Drainage of the fluid from the consumer by suction  
Unit in IP40 protection degree

## Options

Filling tube  
Electronic flow measurement  
Magnetic valve in inlet, one way check-valve in outlet