

Specifications TC6B

Tamson Circulator 6 litres



- ⊕ **Completely stainless steel**
- ⊕ **Compact, small footprint**
- ⊕ **Auto tuning, high precision**
- ⊕ **Fluid level detection**
- ⊕ **Easy to operate**

Item	Unit	TC6B
P/N 230V/50-60Hz		00T0030
P/N 115V60Hz		00T0035
Power	[kW]	1.2
Used materials inside bath		Stainless steel
Range		ambient .. +200°C ambient .. +392°F
Reading		Standard °C, °F on request
Setting	[°]	0.1
Stability ±	[°K]	Better than 0.03
Heating	[kW]	1.1 (one heater)
Bath volume	[L]	6
Pump pressure	[mBar]	300 max
Pump cap.	[L/min]	7.5 max
Opening	[mm]	148 x 120 (rounded edge)
Depth bath	[mm]	170
Length	[mm]	350
Width	[mm]	213
Height	[mm]	440
Weight	[Kg]	8
CE		Conforms to CE regulation

General

The TC6B can be used both as circulator or bath. The bath fluid is heated via a microprocessor controlled heating element. When working below ambient temperature cooling fluid can be circulated through the cooling coil to lower the bath temperature.

The bath is equipped with fluid level. The microprocessor controlled heating with auto tune function guarantees precise temperature control.

Span

The bath temperature can be set to a maximum of +200°C (392°F) in steps of 0.1degree. The overall system accuracy is ±0.03°K.

Accessories

Top lid is included.

Options

03T0016 Leveling platform,
02T3025 RS232

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Safety

The bath conforms to CE regulation. It further is equipped with multiple safety features in order to guarantee safe around the clock operation. A mechanical safety thermostat protects the bath against high temperatures and will automatically reset itself after switching the bath off and on again. The safety thermostat can be set between ambient and +300°C. In case of over-temperature, electronics and motor are switched off. The pump motor is protected against mechanical overload via a resettable fuse.

Temperature readout

Standard available in °C, on request in °F.

Pump

A pump circulates the bath content or provides external circulation. The pump pressure is 300 mBar and maximum flow is 7.5 litres per minute with no counter pressure.