

Specifications TC10B

Tamson Circulator 10 Litres



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

General

The TC10B 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 to lower the bath temperature.

The bath is equipped with fluid level detection. 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 $\pm 0.02^\circ\text{C}$.

Accessories

Top lid is included.

Options

P/N 03T0017 Leveling platform.

P/N 02T3025 RS232 communication.

Free TamCom® Program see www.tamson.com

Item	Unit	TC10B
P/N		00T0150
230V/50-60Hz		
P/N		00T0155
115V/60Hz		
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 \pm	[°C]	Better than 0.02
Heating	[kW]	1.1 (one heater)
Bath volume	[L]	10
Pump pressure	[mBar]	300 max
Pump cap.	[L/min]	7.5 max
Opening	[mm]	185 x 200 (round edge)
Depth bath	[mm]	150
Length	[mm]	440
Width	[mm]	250
Height	[mm]	440
Weight	[mm]	11
CE		Conforms to CE regulations

Safety

The bath conforms to CE regulation. Further it 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 litres per minute with no counter pressure.