

Specifications TC10B

Tamson Circulator 10 litres



Item	Unit	TC10B
Ordering code 230V /50Hz*		00T0150
Ordering code 115V /60Hz*		00T0155
Power	[Watt]	1200 max.
Used materials Inside bath		Stainless steel PTFE
Range		ambient .. +200°C ambient.. +392°F
Reading		Standard °C, °F on request
Setting ±	[°]	0.1
Stability ±	[°K]	Better than 0.02
Heating	[W]	1100 (1 heater)
Bath volume	[L]	10
Pump pressure	[mm H2O]	300 max
Pump cap.	[L/min]	7.5 max
Opening	[mm]	185x200 (round edge)
Depth bath	[mm]	150
Length	[mm]	440
Width	[mm]	250
Height	[mm]	440
Weight	[Kg]	11
CE		Conforms to CE regulation

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

General

The TC10B can be used both as circulator or bath. The bathfluid 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 autotune 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 ±0.02K.

Accessories

Top lid is included.

Options

03T0017 Leveling platform.

02T3025 RS232 communicaion.

Free TamCom® Program see www.tamson.com

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 overtemperature 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 counterpressure.