

Specifications TC20B

Tamson Circulator 20 litres



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

General

The TC20B can be used as a 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 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 0.1 degree. The overall system accuracy is $\pm 0.02^\circ\text{C}$.

Accessories

Top lid is included.

Options

P/N 03T0031 Levelling platform
 P/N 02T3025 RS232 communication

Item	Unit	TC20B
P/N 230V/50~60Hz		00T0160
P/N 115V/60Hz		00T0165
Power	[W]	1450
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	[W]	1400 (1 heater)
Bath volume	[L]	20
Pump pressure	[mBar]	300 max
Pump cap.	[L/min]	7.5 max
Opening	[mm]	300 x 320 (round edge)
Depth bath	[mm]	150 (140 effective)
Length	[mm]	555
Width	[mm]	375
Height	[mm]	425
Weight	[Kg]	13
CE	Confirms to CE regulations	

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 the maximum flow is 7.5 litres per minute with no counter pressure.