



High Temperature Baths

2.3 Tamson Circulator - TCB Line

Circulators offer many application possibilities, e.g. routine laboratory applications, temperature control of samples, incubations, dental applications, material testing, corrosion tests, tempering of cultures as well as temperature testing of food and luxury articles. The 'TCB' baths can be used as circulator or as a water/oil bath.

Main Characteristics

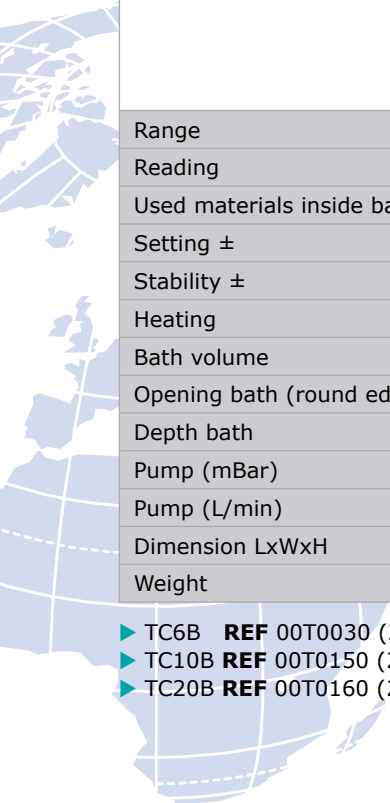
The set point can be set in steps of 0.1° in the range from 0°C up to 200°C (32...392°F). The accuracy on the display is displayed in 0.1°C. However, the controller has an internal accuracy of 0.01°C. Two decimal readout is also available via the RS232 and the free Tamcom software. Due to the "self heating" of the stirring mechanism and when using a top lid, the minimum temperature lies approximately 5K above the ambient temperature. When using the standard built-in cooling coil the minimum operating temperature lies approximately 5K above the temperature of the cooling liquid. In general the minimum temperature lies around 10°C. Lower temperatures generate problems with built up of condensate in the inner insulation of the bath.



TCB Line

	TC6B	TC10B	TC20B
Range	...200°C/...392°F		
Reading	Standard °C, °F on request		
Used materials inside bath	Stainless steel 304		
Setting ±	0.1°C		
Stability ±	Better then 0.02 K		
Heating	1100 W	1100 W	1550 W
Bath volume	6 L	10 L	20 L
Opening bath (round edge)	148 x 120 mm	185 x 200 mm	300 x 320mm
Depth bath	150 mm	150 mm	150 mm
Pump (mBar)	Max pressure 300		
Pump (L/min)	Max flow 7		
Dimension LxWxH	350 x 213 x 440 mm	440 x 250 x 440 mm	555 x 375 x 425 mm
Weight	8 kg	11 kg	13 kg

- ▶ TC6B REF 00T0030 (230V/50-60Hz) • REF 00T0035 (115V/60Hz)
- ▶ TC10B REF 00T0150 (230V/50-60Hz) • REF 00T0155 (115V/60Hz)
- ▶ TC20B REF 00T0160 (230V/50-60Hz) • REF 00T0165 (115V/60Hz)





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Options		TB	TC6B	TC10B	TC20B
REF 02T3025	RS232 serial communication port	•	•	•	•
REF 25T0253	Heater 1550 W (boost heater)	•			
REF 03T0016	Leveling platform TC6B		•		
REF 03T0017	Leveling platform TC10B			•	
REF 03T0031	Leveling platform TC20B				•
REF 00T0050	TLC10-3 external cooler 230V/50Hz				
REF 00T0051	230V/60Hz		•	•	•
REF 00T0052	115V/60Hz				

Spare parts 230V/50-60Hz (115V-60Hz on request)		TB	TC6B	TC10B	TC20B
REF 25T1343	Capacitor 2uF	•	•	•	•
REF 25T1295	Motor 30 W	•	•	•	•
REF 25T0251	Heater 1100 W	•	•	•	
REF 25T0253	Heater 1550 W				•
REF 25T2310	PT-100 sensor	•	•	•	•
REF 06T0496	PCB TC bath	•	•	•	•
REF 24T8545	Main switch	•	•	•	•
REF 28T3902	Front foil TTU-B	•	•	•	•
REF 24T8581	Safety cut-out thermostat	•	•	•	•
REF 28T3022	K1S controller	•	•	•	•
REF 24T8081	Motor fuse 0.3 Amp	•	•	•	•



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