

# Specifications TLC15-5

Tamson Low temperature Circulator



Item	Unit	TLC15-5			
<b>Ordering code</b>					
230V /50Hz		<b>00T0565</b>			
230V /60Hz		<b>00T0567</b>			
115V /60Hz		<b>00T0570</b>			
Power	[Watt]	1400			
Used materials		Stainless steel			
Inside bath		Chrome plated coil			
Range	[°]	-15..+60 °C -5..+140°F			
Reading		Standard °C, °F on request			
Setting ±	[°]	0.1			
Stability ±	[°K]	Better than 0.05			
Heating	[W]	1100 (1 heater)			
Bath volume	[L]	5			
Pump pressure	[mm H2O]	300 max			
Pump cap.	[L/min]	7 max			
Compressor	[W]	220			
Heat removal at temperature specified in °C	[W]	+2°C	250	-12°	75
	[W]	-7°C	200	-14°	50
	[W]	-10°	150		
Opening bath	[mm]	85 x 150 (Effective use)			
Depth bath	[mm]	150			
Length	[mm]	420 (460 incl drain)			
Width	[mm]	265			
Height	[mm]	565			
Weight	[Kg]	30			
CE		Conforms to CE regulation			

- ⊕ **Stainless steel**
- ⊕ **Drain to empty bath**
- ⊕ **Compact, small foot print**
- ⊕ **Very quiet**
- ⊕ **Autotune, high precision**
- ⊕ **Fluid level detection**

## General

This type of cooling circulator can be used for multiple heat removal purposes like replacement of tapwater, general cooling or in combination with ASTM flashpoint testing instruments.

### Cooling medium

The used cooling system is ozone friendly and doesn't contain any CFK/HCFK gas.

### Control mechanism

With the compressor running continuously, the fluid temperature is regulated by an electronic controlled heater.

### Span

The TLC15 operates from -15° to +60°C/-5°..+140°F

### Accuracy

The setpoint is adjustable in steps of 0.1°K. The overall system accuracy is better than ±0.05°K

### Temperature readout

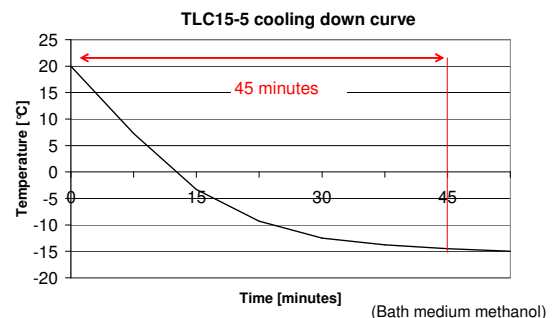
Standard available in °C, on request in °F.

### Pump

A pressure pump provides circulation in the bath or via an external circuit. The pump pressure is 300 mBar (no counter pressure) and 7 litres per minute.

## Safety

The bath conforms to CE regulations. Further it is equipped with a mechanical adjustable and resettable safety thermostat to guarantee safe around the clock operation.



## Options

- 02T3025 - RS232 communication
- Free TamCom® Program see [www.tamson.com](http://www.tamson.com)
- Extended range -15°C .. +100°C