

### Specifications TLC30-5

#### Tamson Low-Temperature Circulator



**RS232, free communication software**

**Drain to empty bath**

**Compact, small foot print**

**Very quiet**

**Fluid level detection**

**Overflow outlet**

Item	Unit	TLC30-5			
P/N 230V / 50Hz*		00T0555			
P/N 230V / 60Hz*		00T0562			
P/N 115V / 60Hz*		00T0560			
Power	[W]	1400			
Used materials inside bath		Stainless steel, brass bearing			
Range		-30..+60°C -22..+140°F <b>-30..+120 °C on request</b>			
Reading		°C or °F			
Setting	[°]	0.01			
Stability ±	[°C]	0.02			
Heating	[W]	1100 (1 heater)			
Bath volume	[L]	5			
Pump pressure	[Bar]	0.3 / 0.7* max			
Pump cap.	[L/min]	7 / 10* max			
Compressor	[W]	220			
Heat removal	[W]	@15°C	200	@ -25°C	100
	[W]	@ 0°C	170	@ -30°C	50
	[W]	@ -3°C	150		
Opening bath	[mm]	85 x 140 (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			

\* P/N 04T0225 optional pump (85~260V/50-60Hz) pressure max 0.7 Bar, flow max 10 ltrs/min.

#### General

This type of cooling circulator can be used for multiple heat removal purposes like replacement of tap water, general cooling or in combination with flash point 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 through an electronic controlled heater.

#### Span

The TLC30-5 operates from -30°..+60°C (-2°..+140°F)  
Optional range from -30°..+120°C.

#### Accuracy

The set point is adjustable in steps of 0.01°. The overall system accuracy is better than 0.05°C.

#### Temperature readout

Standard available in °C, on request in °F. Readout in two decimals.

#### Pump

A pressure pump provides circulation in the bath or via an external circuit. The pump pressure is 0.3 Bar and 7 litres per minute (no counter pressure). Optional is a performance pump 0.7 Bar, **P/N 04T0225**.

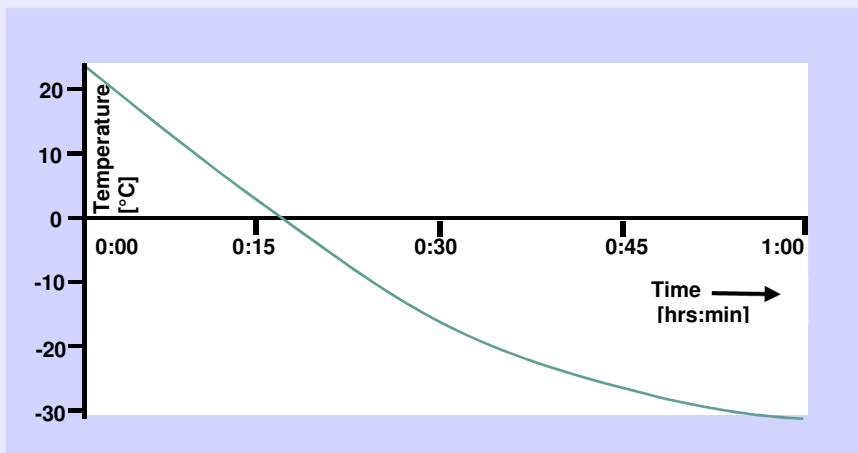
#### Safety

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

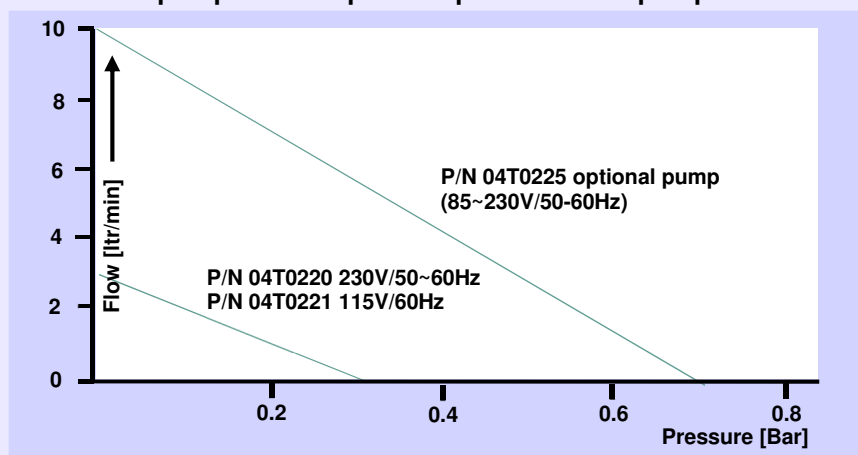
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Cooling down (methanol used as bath liquid)



Standard pump versus optional "performance" pump P/N 04T0225



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