

### 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**

#### 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 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 through an electronic controlled heater.

#### Span

The TLC30 operates from -30...+60°C (-42...+140°F)  
 Optional from -30...+120°C.

#### Accuracy

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

#### Temperature readout

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

Item	Unit	TLC30-5			
Ordering code		00T0555			
230V /50Hz*					
230V /60Hz*		00T0562			
115V /60Hz*		00T0560			
Power	[Watt]	1400			
Used materials inside bath		Stainless steel, Chrome plated coil			
Range		-30...+60°C -22...+140°F -30...+120 °C on request			
Reading		°C or °F			
Setting ±	[°]	0.1			
Stability ±	[°K]	0.02			
Heating	[W]	1100 (1heater0			
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			

\* 24T0398 Optional pump (85~260V) pressure max 0.7 bar, flow max 10ltrs/min, reference:

04T0220 Standard pump 230V 50Hz/60Hz

04T0221 Standard pump 115V 60Hz

#### 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 performance pump 0.7 bar, part number 24T0398.

#### 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.

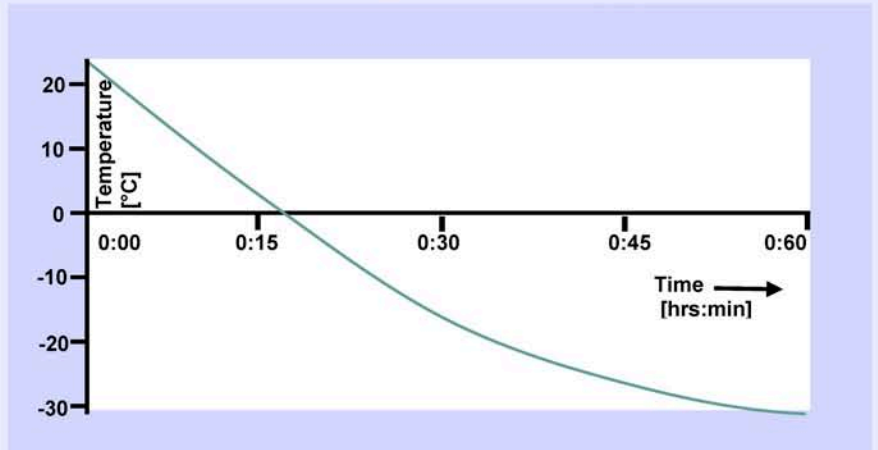
# Tamson Instruments

## Specification sheet

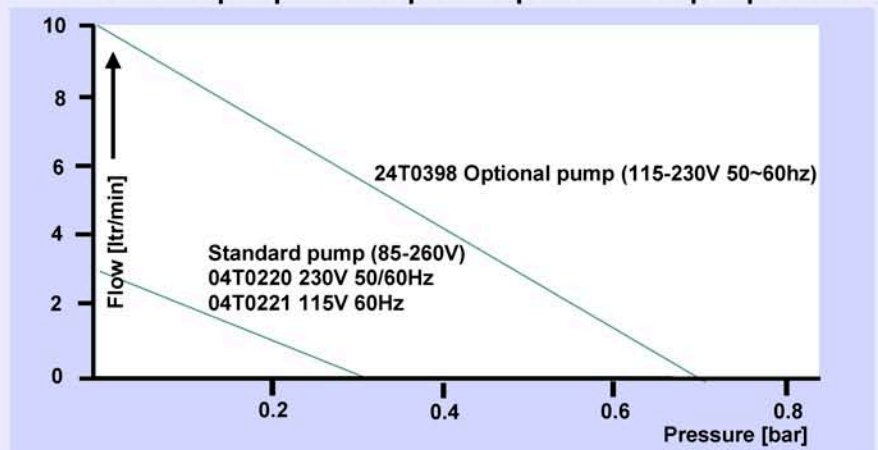
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Cooling down (methanol used as bath liquid)



Standard pump versus optional "performance" pump 24T0398



TLC30-5