

# precision temperature fluidised sand baths



SBL-2

## SBL-2

For temperatures up to 600°C the SBL-2 Fluidised Bath will maintain temperature to within  $\pm 1^\circ\text{C}$ . The working volume of the unit is 228mm diameter and 140mm deep. Three 1kW heaters give a heat up time from ambient to 600°C of approximately 100 minutes. (All the SBL range of units have a pocket in the fluidised bath that will accept a 5mm diameter control thermocouple.)

## SBL-2D

This extra depth fluidised bath is based on the SBL-2 but with an increased working depth of 350mm. Four 1kW heaters give a heat up time from ambient to 600°C of approximately 100 minutes.

## TC-8D & RS-232

Designed to improve the temperature stability and temperature setting accuracies the TC-8D is compatible with all of the SBL series of fluidised baths.

The TC-8D is a self contained unit and is supplied complete with a chromel/alumel Type K thermocouple which fits into the sheath supplied with the SBL baths.

The unit has digital set point of bath temperature on an LED display with PID control.

A TC-8D with RS-232 communication is also available for use with our custom iTools software for programming ramps, dwells and hold at up to 10 temperature set points.



SBL-2D

### Technical Information

	SBL-2	SBL-2D	TC-8D
Temperature range °C	50 to 600	50 to 600	0 to 800
Temperature stability °C, @ 50°C	$\pm 1$	$\pm 1$	$\pm 0.3$
Heat up time, minutes 20°C to maximum	105	105	-
Cooling time, minutes from maximum to 200°C	300	330	-
Air pressure, kPa (psi)	21(3)	21(3)	-
Air flow, maximum litres/minute	57	57	-
Weight of medium, (kg) supplied with unit	16	32	-
Overall size, mm			
Diameter (excluding tap)	385	385	Width 165
Height	470	695	Depth 240
			Height 140
Working volume, mm			
Diameter	228	228	-
Depth	140	350	-

### Ordering Information

Model Number	Product Code	Voltage	Hz	Watts	Shipping weight, kg
SBL-2	F945H	240	50/60	3000	39
SBL-2D	F946H	240	50/60	4000	59
TC-8D	F937C	120/240	50/60	-	3.1

## TechneWorks software

This custom software allows programs to be easily created and sent to the FB-08C and also the TC-8D with RS-232. It has been specially written to enable easy programming of the controller.



TC-8D