

SBL Series

Simple to operate and maintenance free

The SBL range offers a working environment that is dry, easily accessible and totally free from the dangers associated with high temperature oil or salt baths.

The units are designed to be bench standing and only require an electrical and air supply for operation. Air passes through the mass of the (AL2O₃) particles via a porous plate in the base of the unit separating the individual particles and suspending them in free air, giving the properties of a liquid bath. Heaters are placed in the bath which allow temperatures of up to 600°C to be maintained. All the SBL range units have a stainless steel inner container insulated from the outer wall and a safety air pressure switch in the event of loss of air.

All SBL Series fluidised baths are supplied as standard with an overspill flange and an initial charge of fluidising medium.

Other available accessories include air compressor for when a convenient airline is not available, air pressure regulator/filter and stainless steel baskets to keep workpieces from touching the heater elements and to make retrieval easier.

- Working temperature span 50° C to 600°C
- Control stability $\pm 1^{\circ}\text{C}$ or up to $\pm 0.3^{\circ}\text{C}$ when used with TC-8D controller.
- Three models to choose from.



TC-8D

Designed to improve the temperature stability and temperature setting obtainable with the energy regulator supplied as standard with 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 and readout of bath temperature on an LED display and incorporates PID control.

SPECIFICATIONS	SBL-1	SBL-2	SBL-2D	TC-8D
Temperature Range °C	50 to 350	50 to 600	50 to 600	0 to 800
Temperature Stability °C, @ 50°C	± 1	± 1	± 1	± 0.3
Heat up time, minutes 20°C to maximum	60	105	105	-
Cooling time, minutes from maximum to 200°C	150	300	330	-
Air Pressure, kPa (psi)	21 (3)	21 (3)	21 (3)	-
Air Flow, max litres/min	57	57	57	-
Weight of Medium, kg Supplied with unit	13	16	32	-
Dimensions, mm Diameter x Height	315 x 470	385 x 470	385 x 695	165 x 240 x 140 W x D x H
Working Volume, mm Diameter x Depth	228 x 120	228 x 140	228 x 350	-

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