

precision temperature fluidised sand baths



SB Range

The SB range of Fluidised Baths offer a safer alternative to the dangers associated with high temperature oil and salt baths.

These units are designed to be bench or floor standing and only require an electrical and air supply for operation. Air passes through the mass of the aluminium oxide (Alundum) 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 fitted within the bath which allow temperatures of up to 600°C to be maintained. All the SB 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 and also a thermal cut-out. A range of accessories are available.

All SB units can have their temperature accuracy (and setability) improved by fitting the optional TC-9D temperature control unit (see page 38) which will maintain the temperature to within $\pm 0.3^{\circ}\text{C}$.



SBL-2D

SBS-4

With a temperature range of up to 500°C this unit covers a wide range of applications.

Simple to operate and maintenance free the SBS-4 Fluidised Bath provides a uniform and stable heat source and will control the temperature to within $\pm 1^{\circ}\text{C}$.

The SBS-4 has a working volume of 178mm diameter and 140mm deep. The unit is fitted as standard with an energy regulator to set and control the temperature. Selector switches are used to add or reduce power when required with neons illuminating when power is applied to each of the two heating elements.

Technical Information

SBS-4	
Temperature range	50 to 500 °C
Temperature stability @ 50°C	$\pm 1^{\circ}\text{C}$
Heat up time, 20°C to maximum	60 minutes
Cooling time, maximum to 200°C	180 minutes
Air pressure, kPa (psi)	21(3)
Air flow, maximum litres/minute	57
Weight of medium required	9kg
Overall Diameter (excluding tap)	335mm
Overall height	462mm
Working volume, Diameter	178mm
Working volume, Depth	140mm



SBS-4

Ordering Information

Model Number	Product Code	Voltage	Hz	Watts	Shipping weight, kg
SBS-4	F932D	240*	50/60	1500	24

* SBS-4 is also available as 120V unit