Haven Automation Limited

Calibration Solutions for Industry

SB Series

FLUIDISED BATHS

Features

- Working temperature span 50 °C to 600 °C (0-630 °C with TC-9D)
- Temperature stability ± 1°C

  (± 0.2 °C SBL-2D + TC-9D)*

  (± 0.4 °C SBS-4 + TC-9D)*
- Two models to choose from
- Simple to operate

The SB 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 (AL203) 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. Both SB range units have a stainless steel inner container insulated from the outer wall and a safety air pressure switch should a loss of air occur.

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

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

Specification		SBS-4	SBL-2D
Temperature range °C		50 to 500	50 to 600
Temperature stability °C @ 50 °C		± 1	± 1
Heat up time, minutes from 20 °C to maximum		60	105
Cooling time, minutes from maximum to 200 °C		180	200
Air pressure, kPa (psi)		21 (3)	21 (3)
Air flow, max litres/min		57	57
Nominal Heater Power at 240 V (W)		1500	4000
Weight of medium (Kg) supplied with unit		9	32
Overall size (mm)	Diameter (excl. tap)	335	385
	Height	462	695
Working volume (mm)	Diameter	178	228
	Height	140	350

* Please see the TC-9D Datasheet for further details

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Measurement House
Kingsway
Fforestfach
Swansea
SA5 4EX, UK.
Tel: +44 (0) 1792 588722
Fax: +44 (0) 1792 582624
E-mail: sales@haven.co.uk
Website: haven.co.uk

UKAS Laboratory No: 0295