

Baths, Batteries

Fluidised Baths



High temperature dry baths which are pollution free and safer replacements for traditional oil and salt baths.

Fluidised principle

A fluidised bath consists of a loosely packed mass of solid particles through which an upward flow of gas is passed. In this fluidised state the particles become mobile, and the bath as a whole displays many of the properties of a liquid. However, since the bath is composed of tiny inert aluminium oxide particles, freezing, boiling and evaporation are totally eliminated.

The dry, inert particles do not adhere to immersed objects, neither do they cause corrosion. The particles have a gentle motion that is non-abrasive.

The mobility of the bath ensures rapid heat transfer and excellent temperature uniformity.

These baths require fluidising particle media and a clean air supply at a pressure of 21KN/m² (3psi) and maximum flow of 57 litres/minute.

Catalogue No.	BK502-12	BK512-12
Model	SBS-4	SBL-2D
Range	°C 50 to 500	50 to 600
Stability	±°C 1 — both models	
Internal*		
depth	mm 140	350
diameter	mm 178	228
Rating	kW 1.5	4

*To the top of the fluidised medium.

Fluidised Baths, Techne

As described. For 220-240V 50/60Hz single phase supplies. Without fluidising media or air supply.

BK502-12 SBS-4 500°C

BK512-12 SBL-2D 600°C

Alundum aluminium oxide fluidising particle media - details on request.



BK502-12, BK512-12 is similar

Batteries/Battery Hydrometer

Dimensions are Height x Diameter or H x W x D in mm.

Lithium Manganese

Coin-type. Supplied singly.

	Type	Capacity mAh	Volts	Dimensions
BL590-05	CR1220	35	3	2 x 12.5
BL590-10	CR1620	50	3	2 x 16
BL590-15	CR2016	60	3	1.6 x 20
BL590-20	CR2025	130	3	2.5 x 20
BL590-25	CR2032	180	3	3.2 x 20
BL590-30	CR2430	260	3	3 x 24.5

Dry-alkaline Manganese

All have cap and can contact, except BL610-04 which is a button cell.

	Type	Equivalent	Volts	Dimensions
BL610-04	LR44	—	1.4	5.4 x 11.6
BL610-08	MN2400 (size AAA)	HP6	1.5	45 x 11
BL610-15	MN1500 (size AA)	HP7	1.5	51 x 15
BL610-20	MN1400 (size C)	HP11	1.5	50 x 26
BL610-22	MN1300 (size D)	HP2	1.5	62 x 34
BL610-25	MN1604	PP3	9	49 x 27 x 18

Silver Oxide

Button cell type.

	Type	Capacity mAh	Volts	Dimensions
BL630-06	SR41	38	1.5	3.6 x 7.9
BL630-18	SR44	170	1.5	5.4 x 11.6

Battery Hydrometer

For lead-acid accumulators. Pipette type; range 1.100 to 1.300 with coloured zones indicating charged, partly charged, and uncharged conditions. With float, plastic jacket and rubber suction bulb and nozzle. Length 203mm.

BL710-08 Battery hydrometer



BL710-08