

liquid temperature calibration baths

Water Baths

A comprehensive range of general purpose water baths are available from Techne. Twenty different water bath combinations allow the use of accurate temperatures from -40°C up to 200°C ; ensuring a solution for most laboratory applications. (See page 19 for our High Performance Liquid Calibration Baths).

First select the unheated stainless steel bath (see page 14) which has the appropriate volume for the application, for example B-26 which has a volume of 26 liters.



Then add a thermoregulator (see page 15-16) suitable for the required temperature range, for example the TE-10D Tempette is a digital thermoregulator for temperatures between -40°C and 120°C .



Select any accessories that are required, for example, both gabled and flat lids are available for all bath sizes. Gabled lids particularly allow tall tubes to be accommodated.



If sub-ambient temperatures are required it is necessary to add a cooling mechanism to the bath. Techne recommends the use of a Dip or Flow Cooler for temperatures down to -35°C . For example, the RU-200 can lower temperatures down to -20°C . It is also possible to use the cooling coil with a water supply for temperatures from 5°C above the water temperature to ambient.



To assemble the complete system shown opposite the following products are required:

Product Code	Description
1023300	B-26 stainless steel bath, 26 liter capacity
1016200	TE-10D, digital thermoregulator, 117V
7012549	Flat lid for 18 or 26 liter bath
1070500	RU-200 dip cooler, 117V

All specifications are affected by, but not limited to, the size of the bath, the volume of the item(s) being submersed in the bath and the ambient of the test area. Please contact Techne for assistance.

Unheated Baths

Designed to be used with a clip-on Tempette or Tempunit thermoregulator, these baths are equipped with carrying handles for added safety. All baths have stoved enameled steel outer cases and are supplied with bridge mounting plate to hold the thermoregulator.

Polypropylene spheres can be used to create a ball blanket so as to reduce evaporation and heat loss, while providing instant access to the bath.

Four bath capacities – 8, 12, 18 and 26 liters

- Stainless steel construction
- Seam-free and corrosion resistant stainless steel inners for easy cleaning
- Rugged splash-proof case
- Integrated carrying handle
- All models come with a standard 3 year warranty

48 liter

- 48 liters capacity
- Welded construction
- All submerged parts are made from stainless steel
- Rugged splash-proof case

Technical Specifications

Capacity liters		8	12	18	26	48
Dimensions (cm)	Length	26.5	35.4	53	53	59.4
	Width	32.5	32.5	32.5	32.5	36.5
	Height	17.2	17.2	17.2	22.2	29.8
Internal Dimensions (cm)	Length	24	32.9	50.5	50.5	55.9
	Width	30	30	30	30	33
	Height	15	15	15	20	27.4
Top of bath to liquid level max depth (cm)		6.5	6.5	6.5	6.5	6.5
Working length to thermoregulator (cm)		11.5	20.5	38	38	43
Working depth - max/min (cm)		13/10	13/10	13/10	18/15	25.5/22.4
Working capacity - max/min (liters)		8.0/6.0	11.6/8.4	18.0/13.2	26.0/20.5	48.5/42.5

Ordering Information

Product Code	Description
1023000	B-8 stainless steel bath, 8 liter capacity
1023100	B-12 stainless steel bath, 12 liter capacity
1023200	B-18 stainless steel bath, 18 liter capacity
1023300	B-26 stainless steel bath, 26 liter capacity
1023400	B-48 stainless steel bath, 48 liter capacity



B-8



B-12



B-18



B-48