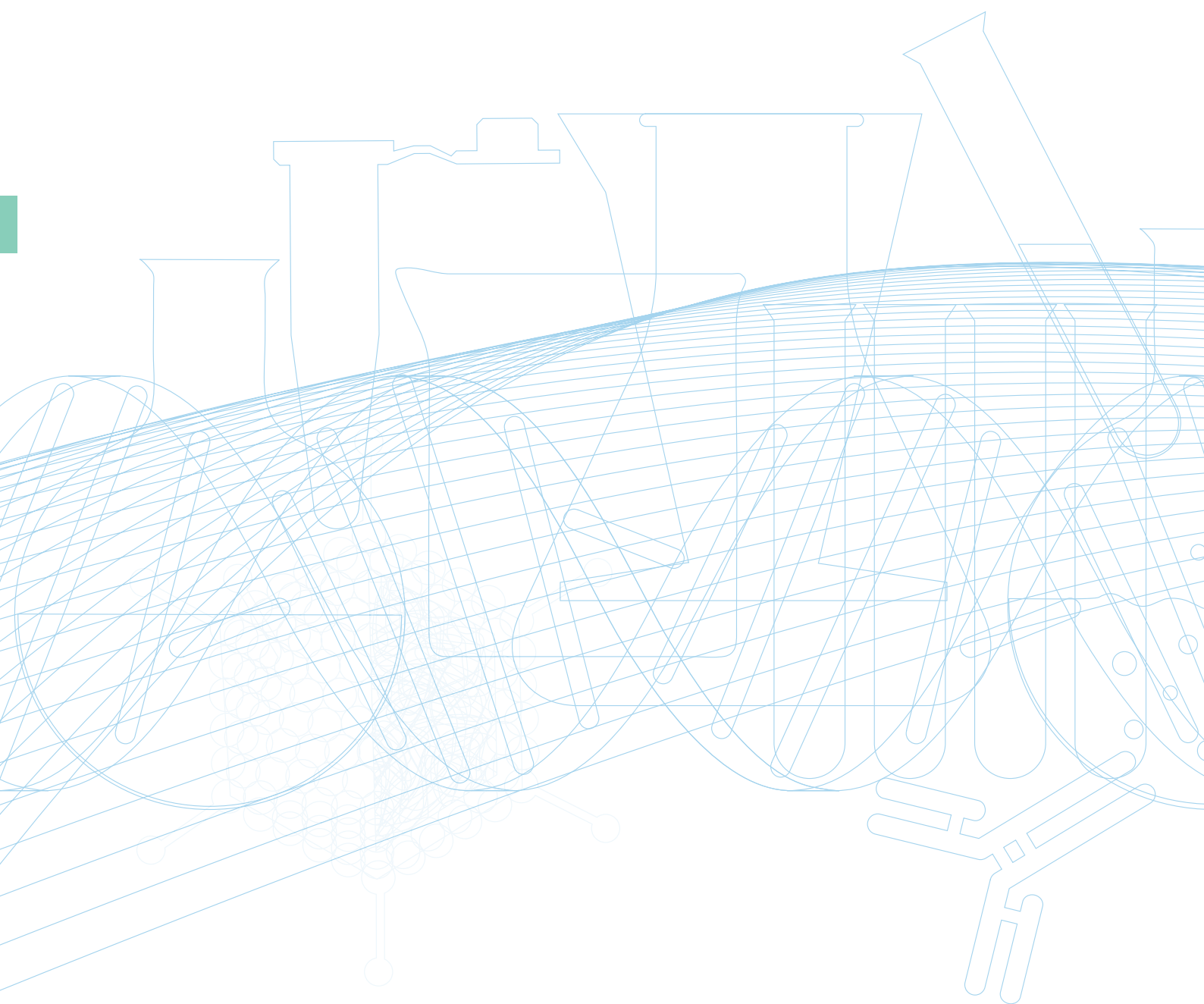


9 Ultrasonic baths



Ultrasonic baths

The MXB and XB series of robust, reliable, high performance ultrasonic baths for scientific and industrial applications

- High performance and even transmission of ultrasonic power throughout the bath – due to the use of multiple, industrial piezoelectric transducers.
- Clean finish, high quality and robust design for long-term reliability and durability.
- Choice of three microprocessor controlled models: the MXB series with time/temperature control, and two standard models: the XB series without time/temperature control.

Grant's two ultrasonic bath ranges
(shown with optional accessory lids and baskets)



Ideal for laboratory cleaning, degassing, sonochemistry and sample dissolution in scientific, medical, optical, dental and industrial laboratories.

XB series

Compact high performance ultrasonic baths providing a high standard of cleaning/energy input in a fraction of the time compared to conventional cleaning methods. Ideal for straightforward cleaning and sonicating applications involving small items.

- **Quality, robust and durable design**
- **Choice of two tank sizes and accessory options**



MXB series with microprocessor control

High performance ultrasonic baths with microprocessor control for precision time and temperature controlled operation. The MXB units provide a high standard of cleaning /energy input in a fraction of the time compared to conventional cleaning methods.

- **Quality, robust and durable design, with electronic control of time and temperature**
- **Ambient + 5°C to 80°C operation**
- **Continuous or timed sonics – 0.1 to 99.9 minutes**
- **Range of tank sizes and accessory options to suit different applications**

Range of tanks sizes and options to suit different requirements. Larger tank sizes (14 and 22 L) fitted with a drain for easier emptying

Quiet operation

Convenient optional basket prevents items from touching the tank sides and avoids operator contact with chemical solutions



Optional lid to minimise noise during operation and reduce evaporation

Stainless steel tank in a robust outer case – tough and durable in demanding environments

Easy programming – via digital control system with push buttons and clear display






Sophisticated feedback circuit matches operating power to tank load – ensures peak efficiency at all times

Ultrasonic baths » Specifications, options and accessories

Ultrasonic baths – models and specifications

■ ambient + 5 to 80°C

● = standard

			Standard		Microprocessor controlled		
			XB2	XB3	MXB6	MXB14	MXB22
							
			h: 250 mm d: 162 mm w: 170 mm	h: 250 mm d: 162 mm w: 265 mm	h: 310 mm d: 205 mm w: 325 mm	h: 310 mm d: 380 mm w: 325 mm	h: 310 mm d: 555 mm w: 325 mm
Tank capacity	L		1	2	6	14	22
Transducers			1	2	3	4	6
Generators			1	1	1	1	2
Power, RMS	W		63	75	89	162	238
peak	W		125	150	180	325	475
Timer, continuous	mins		–	–	0.1 to 99.9	0.1 to 99.9	0.1 to 99.9
Typical noise level	A Leq	dB	< 65	< 68	< 68	< 70	< 72
Display			–	–	3-digit LCD	3-digit LCD	3-digit LCD
Temperature range	°C		–	–	ambient + 5 to 80	ambient + 5 to 80	ambient + 5 to 80
Working volume	l/w/d	mm	149 x 135 x 100	238 x 135 x 100	150 x 300 x 140	325 x 300 x 140	505 x 300 x 140
Drain facility			–	–	–	●	●
Heater power/overall consumption	220-240 V, W		60 (50-60 Hz)	90 (50-60 Hz)	300 (50 Hz)	800 (50 Hz)	1100 (50 Hz)
Safety	fixed resettable overtemperature cut-out		–	–	●	●	●

Options and accessories

Lids

	Reduce evaporation and operating noise Stainless steel	AL2	AL3	AL6	AL14	AL22
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Baskets

	Prevent objects from touching the tank sides and allow items to be placed in or removed from the bath without immersing hands in chemical solution Nylon coated stainless steel	AB2	AB3	AB6	AB14	AB22
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* measured 1 metre from equipment