

## Ultrasonic baths

# Ultrasonic baths

The XUBA and XUB series of reliable, high-performance ultrasonic baths offer fast, safe and cost-effective consistent ultrasonics for various scientific and laboratory applications.

- Innovative transducer technology provides outstanding performance and reliability
- Gentle yet effective cleaning ensuring consistent results for rapid and complete removal of contaminants
- Suitable for sophisticated applications in the scientific sector such as degassing, sonochemistry and fluid dissolution
- Clean finish, high-quality and robust design for long-term reliability and durability.
- A choice of five digital and two analogue models



The XUB and XUBA range of baths are ideal for cleaning a wide range of laboratory instruments as well as in other healthcare, medical and industrial applications. The ultrasonic activity generated in the baths allows rapid and effective cleaning and processing of a wide range of instruments and components – a safer alternative to manual operations.

Ultrasonic baths » XUB digital ultrasonic baths

# XUB digital ultrasonic baths

The XUB range of digitally controlled benchtop ultrasonic baths offer consistent and reliable performance in a variety of environments. Incorporating Frequency LEAP technology to ensure uniform levels of ultrasonic activity throughout the fluid, these baths offer high performance giving an accurate and precise ultrasonic process.

- Frequency LEAP technology provides more homogeneous ultrasonic activity throughout the tank, reducing dead spots and standing waves
- Heated from ambient +5°C to 70°C
- Accurate process control of time, temperature, ultrasonic activity, degas and power
- Modern, sleek design with stainless steel basket, ABS plastic lid, M2 ultrasonic cleaning solution, SD card and drain tap included as standard
- Degassing function to remove small bubbles from liquid, reducing the overall time needed for ultrasonic operation
- A choice of 5 sizes



Example: XUB12

**Stainless steel basket** designed specifically to generate maximum ultrasonic activity, prevent items resting on the tank and prevent operators coming into contact with chemical solutions

**Stainless steel basket, ergonomic lid, SD card and one bottle of M2 Ultrasonic solution** included as standard

**SD port** allows easy validation tracking between XUB series and PC

**Improved software memory** logs cleaning parameters allowing easy cycle repeatability

**Easy traceability** of cycle number, time, temperature and sonics validation

**Lid and basket forms a drip collection unit**, minimising flow of contaminated liquid once cycle is finished

**Ergonomic lid** reduces noise volume and minimises potential of aerosol escape

**Easy to use single touch LCD control panel** with user-settable parameters to suit the individual requirements

**Intelligent software** remembers last cycle cleaning setting










**Accurate fluid level sensors** to ensure bath is not under-filled prior to or during the cycle

**Drain valve** for convenient emptying – located at the rear of the unit

- Applications:**
- Healthcare/clinical - the first stage of the decontamination process for reusable surgical instruments in dental, podiatry and general practice settings
  - General use - glass, equipment, component cleaning, sonication of cytometer nozzles, dispersion and solubilisation
  - Laboratories - cleaning of components, degassing fluids, mixing fluids and compounds, cell disruption, fluid dissolution
  - Industrial - light manufacturing
  - HPLC - degassing of solvents pre analyses
  - Biopharm - dissolution of samples

## Ultrasonic baths » Specifications, options and accessories

### XUB and XUBA ultrasonic water baths range – models and specifications


	Digital					Analogue	
	XUB5	XUB10	XUB12	XUB18	XUB25	XUBA1	XUBA3
 = standard  = bath dimensions with lid Weight = net weight bath only	 h: 268 mm d: 235 mm w: 340 mm weight: 5.6kg	 h: 267 mm d: 215 mm w: 545 mm weight: 7.7kg	 h: 368 mm d: 325 mm w: 342 mm weight: 8.4kg	 h: 365 mm d: 380 mm w: 374 mm weight: 10.2kg	 h: 370 mm d: 385 mm w: 550 mm weight: 13.3kg	 h: 195 mm d: 180 mm w: 197 mm weight: 2.0kg	 h: 195 mm d: 180 mm w: 275 mm weight: 2.9kg
Working capacity	4.5L	9.5L	12.5L	17.5L	25L	1.5L	2.5L
Max capacity	5L	10.5L	14L	18.5L	28L	1.75L	2.75L
Ultrasonic Power	100	200	200	300	400	35	35
per Litre/W	22.2	21	16	17	16	23.3	14
Operating frequency	32-38					44	44
Frequency LEAP	●	●	●	●	●	-	-
Heated	●	●	●	●	●	-	●
Digital LCD controls	●	●	●	●	●	-	-
SD port with SD card	●	●	●	●	●	-	-
Maximum heating capacity	ambient +5 to 70					N/A	ambient +5 to 70
Heater power	150	250	250	450	500	N/A	150
Timer	0-99					0-15	0-15
Drain outlet BSP valve	3/8"					N/A	N/A
Supply voltage	230						

### Options and accessories


#### Replacement ABS lid

 Reduce operating noise and potential escape of aerosols (supplied as standard with the baths)	XAL5	XAL10	XAL12	XAL18	XAL25	XAL1	XAL3
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#### Replacement baskets

 Support the items to be processed and work with the lid as a drip collection unit (supplied as standard with the baths)	XAB5	XAB10	XAB12	XAB18	XAB25	XAB1	XAB3
Internal basket dimensions including handle	w/d/h mm 265 x 120 x 140	467 x 100 x 115	263 x 203 x 193	295 x 267 x 160	463 x 263 x 159	115 x 95 x 87	208 x 115 x 98

#### Ultrasonic solution

 General purpose detergent for use with ultrasonic baths. Pack of 6 x 1L bottles	M2 Sol	M2 Sol	M2 Sol	M2 Sol	M2 Sol	M2 Sol	M2 Sol
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