

## 7 Ultrasonic baths

### **XUB range of digital ultrasonic baths**

Digitally controlled range with a choice of 5 baths

### **XUBA range of analogue ultrasonic baths**

Entry level baths with analogue controls

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 (XUBA's available in 230V versions only)



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.

## 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
- Adjustable power that can be reduced from 100 to 50% in 5% increments

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

## XUBA entry level ultrasonic baths

Compact analogue controlled range of ultrasonic baths providing a high standard of reliable and effective ultrasonic technology. The choice of two baths come in a great value-for-money package, with M2 cleaning solution, stainless steel basket and ABS plastic lid included as standard (Available in 230V versions only).

- **Excellent entry level ultrasonic bath**
- **Fast, effective, efficient, easy and safe cleaning and processing of diverse instruments, components and solutions**
- **Supplied with stainless steel basket and ABS plastic lid as standard**
- **One bottle of M2 ultrasonic cleaning solution included as standard**
- **Robust design offers outstanding durability and reliability**
- **Control panel easy to operate even when wearing gloves**
- **Time control from 0-15 minutes on both baths**
- **Ambient +5°C to 70°C heating on the XUBA3**

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



**One bottle of M2 ultrasonic cleaning solution** included as standard



**Simple dial analogue controls** for accurate setting of cycle time and temperature (temperature control on XUBA3 only, XUBA1 unheated)

Example: **XUBA3**

**Stainless steel basket and ABS plastic lid** forms a drip collection unit to collect excess liquid when the basket is removed from tank



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

**Heating function (XUBA3 only)** to deliver reduced processing times



### 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
- **Biopharm** - dissolution of samples

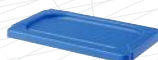
**XUB and XUBA ultrasonic water baths range – models and specifications**

	Digital				Analogue		
	XUB5	XUB10	XUB12	XUB18	XUB25	XUBA1	XUBA3
<ul style="list-style-type: none"> <li>● = standard</li> <li>J = bath dimensions with lid</li> <li>Weight = net weight bath only</li> </ul>							
	h: 267 mm d: 200 mm w: 345 mm weight: 5.6kg	h: 267 mm d: 183 mm w: 550 mm weight: 7.7kg	h: 366 mm d: 288 mm w: 345 mm weight: 8.4kg	h: 366 mm d: 347 mm w: 374 mm weight: 10.2kg	h: 366 mm d: 347 mm w: 551 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		
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	110 or 230					230 only	

**Options and accessories**

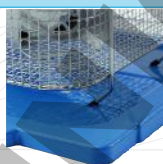
**Replacement ABS lid**

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
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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
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**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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