



ZenBox

Acoustic Solutions for Laboratories

Model ZB-USB1 noise enclosure for ultrasonic bath



- 85% reduction in noise perception.
- Ventilation system to extract vapor with on/off switch.
- Easy Access to ultrasonic bath.
- Compatible with most existing ultrasounds on the market.
- Installation in only 3 simple steps.
- 3 year guarantee.

Multilayer Acoustic Insulation

50 mm thick acoustic insulator formed by absorbent polyurethane foam and 5 kg/m² visco-elastic heavy mass, which provides the assembly with low dynamic rigidity, low transmission and high acoustic absorption generated by motors, compressors and vacuum pumps.

PU coating that protects and extends the life of the material, also facilitates the cleaning of the same.

Completely safe insulation as it is self-extinguishing.

NOTE: The inside of the enclosure is cover with this acoustic isolation, getting a noise reduction **up to 20 dB(A)**

Ventilation System



- 1 ultra-quiet long-life fans (150.000 hours).

NOTE: The vapors are extracted from inside the booth to protect the box from heat or moisture buildup.

Two-position switch for fans



ON : Fans in operation

OFF: Fans off

Easy Access to ultrasonic bath

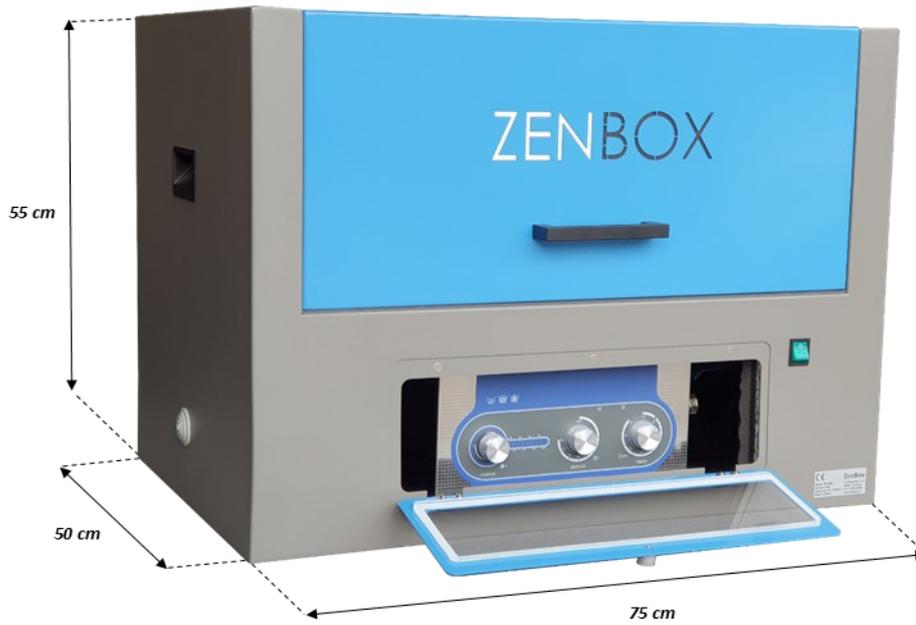
- Handles to lift and move the box.
- Transparent window that allow you to see and Access the controls of the ultrasonic.
- Access for the drain tube and the power cable of the ultrasonic bath.
- Easy access to ultrasonic (door equipped with two gas dampers that allow 90° opening)
- Safety electrical connector.

Installation only 3 steps

Installation is done in three easy steps, without the need for tools:

1. **Place** the ultrasonic bath inside the box.
2. **Pass** the power cable through the rubber grommet .
3. **Connect** the power cord to the mains and turn on the switch.

Detailed Technical specifications



Internal dimensions

Ancho (cm)	Fondo (cm)	Alto (cm)
65	40	50

- Soundproofing box made of 1.5 mm thick pickled sheet.
- Self-extinguishing acoustic insulation formed by layers that comply with FMVSC 302 and DIN 4102B3.
- All safety-related requirements have been taken into account; as we use heat resistant and non-flammable material.
- All electronic components comply with European directive RoHS2 (Restriction of Hazardous Substances Directive) 2017/2012/UE.
- The box is supplied with a 12V and 5A power supply that connects to the 230V/50Hz network and complies with Csa, Ce and Ccc. The connection of transformer to the box is made by means of a safety connector to avoid incidents.
- The noise reduction is in line with the European directive related to low voltage equipment (2014/35/UE) and electromagnetic (2014/30/UE).

NOTE: This noise enclosure has been designed for the following models of ultrasonic bath:

Bandelin: Sonorex Digitec DT516, DT512, DT514B and DT1028

Emerson: Branson 3800, 5800 and 8800

JP Selecta: 3001488, 3000617, 3000515, 3000868, 3000864 and 3000839

Elma: S70, S80, S150, S180, S300, S450, P70, P300, series Xtra, TT60, series TI, TP695 and T700