

# SONOPULS Sound proof box LS 40

Effective reduction of noise levels during direct or indirect sonication with SONOPULS HD 2000/2000.2/3000/4000 series ultrasonic homogenisers.



Sound proof box LS 40

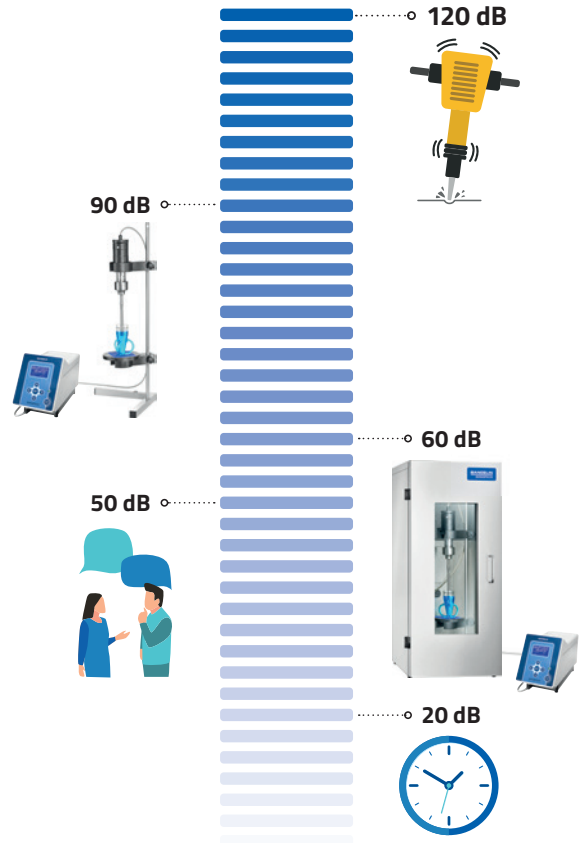
The sound proof box LS 40 offers effective noise protection for the use of SONOPULS ultrasonic homogenisers. The noise level of an ultrasonic homogeniser can measure up to 90 dB (AU) when used without a sound proof box. The sound proof box LS 40 allows for a noise reduction of approx. 30 dB (AU), which can reduce the measured noise level to approx. 60 dB (AU). This is equivalent to eight times less subjective noise.

The remarks described in the following article are only applicable for the Federal Republic of Germany. The user in other regions should evaluate whether these guidelines are also effective in his country respectively. With this sound proof box, SONOPULS ultrasonic homogenisers fall within the recommended reference value of the VDI (Association of German Engineers) guideline VDI 3766:2012-09 „Ultrasound - Workplace - Measurement, assessment, judgement and reduction“, and below the trigger values of the German Noise and Vibration Protection Ordinance.

The LED interior lighting and acrylic glass window allow for monitoring of the process during the entire period of use. Cables and hoses, e.g. for the installation of a cooling or pumping circuit or the connection of a temperature sensor, can be inserted through the closable bushing on the back.



Direct sonication SONOPULS HD 4200 with sound proof box LS 40, stand HG 40, holder for ultrasonic converter WH 40, supporting table AT 40 and rosette cell RZ 3



The sound proof box LS 40 is equipped with a ventilation system for discharging process related moisture build-up. The stainless steel insert in the interior space can be easily wiped and the removable stainless steel drip tray facilitates the cleaning of the sound proof box. The door opening angle is 180° and the interior provides ample space for direct and indirect applications through use of the HG 40 stand and other optional accessories. This ensures easy sample handling.

| Type                                      | LS 40   |
|---|---|
| for HD                                    | 2070.2 / 2200.2 / 3100 / 3200 / 3400<br>4050 / 4100 / 4200 / 4400 |
| Damping in dB (AU)<br>as per DIN EN 61012 | 30  |
| Code no.                                  | 3682  |

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Subject to technical alterations without notice. Dimensions subject to production tolerances. Illustrations exemplary, not true to scale. Decoration products are not included in delivery.

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Zertifiziert nach  
EN ISO 9001  
EN ISO 13485