



Noise protection



## **NOISE REDUCTION BOXES FOR VACUUM PUMPS, WATER CHILLERS AND ULTRASONIC BATHS**

INFORMATION

## Our Noise reduction boxes

Our noise reduction boxes have been designed for the **insulation** of roughing pumps and water chillers such as the ones often used in analytical laboratories. With the various models, the **noise** from almost any device can be attenuated by **over 80%**.



- Active Pump Protection System APPS available for all models
- With G-Lock for toolless access
- High-quality insulation made of environmentally friendly recycling material, oil and waterrepellent
- Cleverly devised air guide system for maximum heat dissipation coupled with optimum sound insulation
- Two-part cover plate for adaptation to numerous different pumps
- Insensitive, hygienic surface, easy to wipe down

## Model Outer dimensions Inner dimensions Application

Model	Outer dimensions	Inner dimensions	Application
SSH07	350x300x562	250x275x487	For small sized pumps
SSH11	350x300x750	250x275x675	For medium sized pumps
SSH22	550x300x750	500x275x650	Dual box for two medium sized pumps
SSH35	500x430x800	400x410x730	For bigger pumps
SSH70	975x400x850	(2x455)x380x775	Dual box for two bigger pumps
SSH56	540x750x880	500x730x775	For water chillers

All dimensions in mm (WxHxD)

## Lab benches with integrated noise reduction cabinet for vacuum pumps



The Sonation lab benches are tailored for the special needs in analytical labs. A complete mass spec with all accessories can be set up clean and spacesaving.

- Carrying capacity: 500kg
- Integrated noise reduction cabinet with the Active Pump Protection System
  - Feedthroughs for cables and hoses
  - Integrated oil tray decoupled with vibration dampeners



## Noise reduction for ultrasonic baths

The models of the USBB series have been designed especially for dampening the noise of ultrasonic baths. With four different sizes most ultrasonic baths used in labs can be dampened. The noise reduction of this boxes is up to 30dB(A) which means a reduction in noise by over 90%

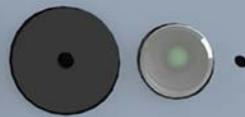
## Active Pump Protection System APPS

The newly developed APPS module (**Active Pump Protection System**) enables you to perfectly protect your sensitive and important devices by monitoring all important operating data. The pump is optimally protected with the new module, which fits and can be retrofitted to all Sonation sound insulation boxes. All important operating data, for example, temperature, current consumption and the function of the fans are monitored continuously. Any malfunction triggers a visual and acoustic warning.

### Advantages:

- Interior temperature monitoring with high temperature alarm
- Wide-range input 100-250VAC (50/60Hz)
- Temperature controlled fans
- Monitoring of the fans
- Retrofitting capability – older models can be retrofitted easily

Model name:  
Supply voltage:  
Power drain:  
Date of man.:



## Available accessories

### Oil tray



The oil trays allow your pumps to be set up cleanly in the laboratory. Over time, most pumps leak small amounts of oil on account of aging seals. From time to time, seals can become so brittle that larger amounts of oil leak from the pump. Especially during the routine oil change greater amounts of oil can leak out of the pump. Thanks to the oil trays, these two problems can be limited to the area of the tray. An additional benefit is that the pumps get mobile thanks to the castor wheels which eases the handling of the pumps significantly.

### Oil change kit



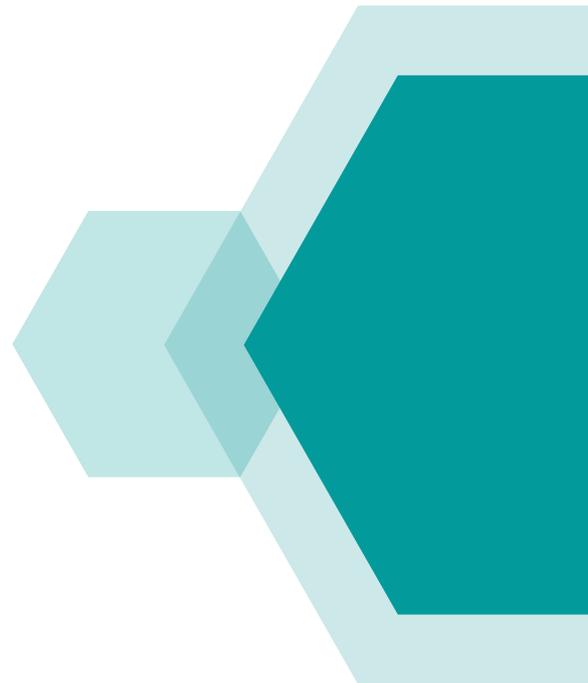
The Sonation oil change kit replaces the pump's oil draining plug by a convenient draining adapter with ball valve. All the oil can be drained into the flat oil collecting tray in no time, without the pump having to be moved. Which means every oil change is a clean and straightforward process.

### Ventilation kit



This additional kit can be mounted to the back of the noise reduction box. It allows to connect the noise reduction box to the lab exhaust system so the waste heat of the pump gets out of the lab. If the lab exhaust system should fail, the exhaust is not blocked but blows into the lab to ensure the cooling of the pump.

Another benefit of the kit is the additional dampening of the pump noise that otherwise would escape through the fan holes.



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