

inte-gen

**Reduce laboratory gas
generator noise by
15 dB(A)**



MS
 **MADE IN
GREAT BRITAIN**

QuietBox II

NOISE REDUCTION SYSTEMS

Inte-gen is a British manufacturing company, specialising in Mass Spectrometry and Chromatography products.

Recognising a need for first-class products and consumables led us to develop and manufacture several innovative products including noise reduction systems for vacuum pumps, laboratory gas generators, chillers & instruments, bench-top Mass Spec workstations, service kits and components. Inte-Gen also refurbishes turbos, power supplies and vacuum pumps as well as repair boards. These capabilities enable Inte-Gen to provide affordable products of OEM quality.



Did you know?

- Typical office noise is approx. 40 dB(A)
- A normal conversation is approx. 60 dB(A)
- Noise from a single gas generator can reach 58 dB(A)
- Regulations require action to be taken for noise levels above 85 dB(A)

Loud noise at work can damage your hearing. Noise Regulations 2005 requires employers to prevent or reduce risks to health and safety from exposure to noise at work. Employees have duties under regulations too.

The regulations require employers to:

- Assess the risks to employees from noise at work;
- Take action to reduce the noise exposure that produces those risks;
- Provide employees with hearing protection if you cannot reduce the noise exposure enough by using other methods;
- Make sure the legal limits on noise exposure are not exceeded;
- Provide employees with information, instruction and training; carry out health surveillance where there is a risk to health.

The values are:

Lower exposure action values:

- Daily or weekly exposure of 80 dB(A);
- Peak sound pressure of 135 dB(A);

Upper exposure action values:

- Daily or weekly exposure of 85 dB(A);
- Peak sound pressure of 137 dB(A).

There are also levels of noise exposure which must not be exceeded:

Exposure limit values:

- Daily or weekly exposure of 87 dB(A);
- Peak sound pressure of 140 dB(A).

What are the action levels and limit values?

The Noise Regulations require employers to take specific action at individual action values. These relate to:

- The levels of exposure to noise of employees averaged over a working day or week; and
- The maximum noise (peak sound pressure) to which employees are exposed in a working day.



The Inte-Gen MS-QuietBox II system offers a wide range of ventilated noise reduction solutions for all major brands of laboratory gas generators including Parker, DH and PEAK.

The innovative design allows for installation with no need to shut the instrument down enabling quick setup and easy access for maintenance. The unique flat-pack construction is environmentally friendly, reducing shipping costs and can be assembled in 5 minutes with no need for tools. It also allows for service exchange of panels should you require one.



Quieter working environment

MS-QuietBox II™ noise reduction system is available for all major laboratory gas generators, which reduces noise by 15 dB(A) and maintains generator temperature with integral fans.

Viewing window

All MS-QuietBoxII noise reduction systems for laboratory gas generators feature a viewing window to allow users to view the full display of the generator inside.

Fire-resistant not fire retardant

Our high-density fire '0' rated foam is manufactured by impregnating standard foam with liquid carbon which is then dried leaving a fire-resistant sound absorption material able to withstand various ignition sources. This end product is fire resistant, not fire retardant, the difference being that fire retardant foam will burn until the ignition source is removed, whereas our foam will not burn.

Maintain optimum pump temperature

Automatic thermal fans adjust speed to the ambient temperature. Designed to keep power consumption and noise levels at a minimum and deliver high-performance cooling only when required.

3-year warranty with panel exchange

In the unlikely event of a fan failure, the simple modular design allows for an exchange panel to be sent for replacement. First contact Inte-Gen to request your replacement panel. Once the panel arrives simply disconnect the power cable and undo the four thumb tight screws. Swap the panels and return the original panel to Inte-Gen.



Technical Specifications

- Manufactured from 6mm UPVC
- Sound insulation using '0' fire rated foam
- Foil lined heat resistant interior to prevent oil contamination
- Unique flat-pack design
- CE Marked
- 3-year warranty

Options

Extraction connector

Designed to connect the MS-QuietBox II into an existing extraction system, the connector fits over the fan housing so that exhaust fumes and heat are carried out of the laboratory.

MS-QuietBox II™ available for laboratory chillers and vacuum pumps

- Manufactured from 6mm UVPC
- Sound insulation using '0' fire rated foam
- Foil lined heat resistant interior to prevent oil contamination
- Unique flat-pack design
- CE Marked
- 3-year warranty





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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.