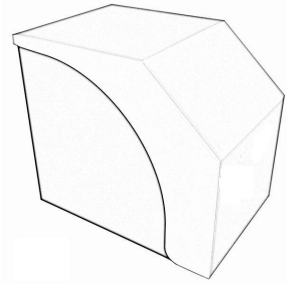


~~MS NOISE~~ Descriptive guide



Noise reduction box MS Noise
NRVP-G or Gs



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1 – General information:

Symbols significance:



The noise reduction box MS Noise NRVP-G or Gs is in conformity with the European directive related to low voltage equipments 73/23/CEE.

2 - NRVP-G or Gs Noise reduction box design and conception objectives.

- Improve the working conditions in the laboratory and make them more comfortable by noise emission reduction of the vacuum pump.
- Noise reduction box is easy to install
- All requirements related to security are taken into account in the conception (ventilated box by bearing fans, use of non flammable materials, use of heat resistant materials).
- Esthetic design.
- Durability.
- Performance : noise reduction level till 12 dB (A).



3- Important recommendations:

- After having unpacked the noise reduction box, you must ensure that it was not damaged during freight. If it is the case, deteriorations will have to be noticed in written to the carrier in the 24 hours following the delivery.
- The noise reduction box MS Noise NRVP-G or Gs is exclusively intended to be used with vacuum pumps of a power lower or equal to 1,2 KW.
- The noise reduction box must be positioned on a plane and stable surface and is intended exclusively for a use in a dry and clean place. It should not be positioned in the immediate proximity of flammable or combustible products, as well as internal or external heat source, other than the vacuum pump itself.
- The box airflow intakes and exhausts must not be blocked or closed. Minimum space to respect with any other object around box airflow intake and exhaust must be at least 15 cm.
- The pump must be positioned correctly inside the box. Take care to position the face with the two fans blowing in front on the engine area of the vacuum pump.
- The vacuum pump must not operate inside the box if the box ventilation is not under operation or is failing.
- No object or liquid must be put on the box.
- The box should not be used if the ambient temperature exceeds 30°C, in order to reduce the overheating risk of the vacuum pump.

4 – Noise reduction box technical description.

- The box is made of two main parts : a base and a cover. In case of checks or maintenance needs, the advantage of this conception is to allow an easy access to the pump (without need for tools).
- The material of the cover is made of ABS UL94V0 grey RAL 7040 thickness 6 mm. The base is in material PS CHOC UL94V0 dark 6 mm thickness. Surface is easy to clean
- An acoustic foam material covers the interior part of the box. It is made of P.U (polyurethane) density 33 Kg/m³. This foam with open cells has the characteristic to present a very good noise absorption. The form applied to this product (waves) is intended to multiply the absorption capacity, by



increasing the surface of reception . The material thickness used is about ~ 45-50 mm. This thickness improves as much the absorption performances. This foam is extinguishable, color grey anthracite and complies with FMVSS 302 and DIN 4102 B3.



Picture of the used Acoustic foam

- The box ventilation system, based on two fans, has a total air flow of approximately 220 to 250 m³/h. The fans used are with ball bearing, which guarantees a much longer lifetime.

- Pipes and cable input/output are closed by a polypropylene brush, which guarantees the sealing to dust and a good sound-proofing. This concept facilitates the installation of the box and allows a much better compatibility to the wide number of vacuum pumps (please ask us for any request to vacuum pump compatibility).

- The noise reduction level obtained (by the combination of foam and plastic structure, with the pipes and cable inputs/outputs closed by a brush polypropylene) is about 12 dB(A).

- Noise reduction Box voltage supply is D.C 12 V 1 A (with a provided transformer which connects to the alternative 230V +/- 10% and 50/60 Hz +/- 10%).

- NRVP-G external dimensions :

Length: 74 cm - Width : 42 cm - Height : 60 cm

- NRVP-Gs external dimensions :

Length: 80 cm - Width : 42 cm - Height : 62 cm

- Which noise reduction box to use? : for any request of which noise reduction box fits to your vacuum pump model, please ask your distributor or contact us at : compatibility@msnoise.com. Indicate us brand and model type, and if oil mist filter is mounted on pump or not.

- ◆ Optional : oil pan for vacuum pump storage. Made of steel, powder painted resistant to oil. This oil pan is equipped with four vibration absorbing wheels, in order to be able to move the pump and box easily. Two of the four wheels are equipped with a brake blocking system.
