



# MS NOISE ENCLOSURES FOR VACUUM PUMPS (NRVP-MS40)

## Product Overview

- Performance: average sound level decrease is avg - 15 db(A) (equivalent to a 75% reduction in noise perception)
- Heat exchange controlled by two internal silent fans 120 m (double ball bearings)
- Efficient air circulation is guaranteed (about 200 m<sup>3</sup>/h) while keeping optimal acoustic insulation
- Worldwide electrical compatibility [enclosures are delivered with European, US, Japan, and UK plugs]
- Easy installation: no equipment downtime (no need to “break vacuum” on your system and does not require disconnecting pipes during installation)
- Easy access for pump servicing.
- Easy oil change can be performed.
- Easy visual check for operation (Green LED)
- Window at the back for easy oil level check
- Involuntary power supply disconnection secured (lockable connector)



## Accessories Noise Enclosure Model NRVP-MS40

### **Optional Oil tray on caster wheels**

With the oil tray you can store your vacuum pump in a clean way and MS NOISE™ enclosure is simply placed onto the oil pan, so the box and the pump become mobile. This stainless steel oil tray on castor wheels is also equipped with four vibration absorbing caster wheels, to reduce vibration transmission through the floor. Two of the four wheels are equipped with brakes and the oil tray is made of stainless steel for easy cleaning.

### **Optional Overheating temperature alarm**

In case of air intake or air exhaust obstruction, the air inside the noise enclosure could exceed the limits set by vacuum pump manufacturers for the pump operation at best capacity. With this sensor, if the temperature is going above an acceptable limit, the alarm will operate (a red led will light on and an audible continuous alarm by buzzer will start – ~ 90 dB).



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## Optional Oil drain

Fast, easy and clean oil change ! Vacuum pump manufacturers recommend regular oil changes to prevent damage to the rough pump, and to extend pump life-time. This recommendation is very often because changing the oil could be difficult : oil leaks everywhere, heavy pumps makes it difficult to move...Therefore MS NOISE™ designed the Oil drain valve and oil change pump kit ! Save time on your maintenance and perform oil change in an easy and clean way, even in very difficult access areas.

Oil drain valve : 1 ball bearing valve with quick connector to install on the pump definitively [with adaptations compatible for all vacuum pump oil drain plug threading] and one plastic hose for oil draining

Oil drain pump : compact oil pump with on/off switch and power supply compatible 110/ 220 Volts (worldwide compatible plugs provided) and 2 plastic hoses for oil pumping directly into a waste container (empty bottle,...)

Heat removal system : on request, we can add to MS Noise™ Enclosures flanges connected to 120 mm diameter flex pipes, which allow a direct connection from the enclosure exhaust to the main building heat exhaust. Vacuum pump heat is directly removed outside the lab building.

## Detailed Technical specifications :

- Environment friendly noise adsorbing material, oil and water resistant.
- The noise reduction is in conformity with the European directive related to low voltage equipments (2006/95/EC) and electromagnetic compatibility (2004/108/EC).
- Compatible with 230V/50HZ or 110V/60HZ. delivered with a set of European, US, Japan, and UK plugs
- Power supply Csa, Ce and Ccc
- All requirements related to security are taken into account in the conception (ventilation box by double ball bearing fans, use of non flammable materials, and use of heat resistant materials)
- Electronic components are all compliant with RoHS directives (Restriction of Hazardous Substances Directive).
- Enclosures are made of ABS UL V0 and PS Choc UL 94V0 6 mm thickness.
- Foam complies with FMVSS 302 and DIN 4102 B3



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Dimensions	Enclosure model NRVP-MS40 (cm)	Enclosure model NRVP-MS40 (inch)
Depth	67.4	26.5
Width	45.6	17.95
Height	55	21.65
Height with oil tray	66	26
Weight :	Enclosure model (kg)	Enclosure model x (lbs)
Enclosure	14	30.8
Oil tray	8 kg	16.75

Optional overheating alarm includes an Alarm Test function: test switch button available to make sure batteries are charged and alarm is functional. When pushing the switch, the red led will light on and a continuous audible sound by buzzer will start if the system is correctly operational. Operating by a 2 x 1.5 AA Batteries - independent from noise enclosure main power supply – Batteries provided

## **Summary**

Description	Part-number
Noise Enclosure	NRVP-Box-MS40
Optional Tray on caster wheels	NRVP-Pan- MS40
Optional overheating temperature alarm	NRVP-Ala- MS40
Oil drain valve	ODV (please specify vacuum pump model when ordering)
Oil drain pump	ODP
Connection to building AC unit	BEK

