

# MS NOISE ENCLOSURE FOR VACUUM PUMPS (DBL-DB30)

## Product Overview

- Accommodate two vacuum pumps
- Performance: average sound level decrease is - 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 400 m<sup>3</sup>/h) while keeping optimal acoustic insulation
- Worldwide electrical compatibility [enclosures are delivered with European, US, Japan, and UK plugs]
- Easy access for pump servicing and ballast.
- Easy oil change can be performed.
- Easy visual check for operation (Green LED)
- Frontal window for easy oil level check
- Involuntary power supply disconnection secured (lockable connector)



Four fans on the back  
Pipe and cable are going through a  
polypropylene brush



Top cover can be removed



Frontal door allow easy access  
for pump servicing and ballast



Window for easy oil level check



Easy visual check for operation



lockable connector

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## Accessories Noise Enclosure Model DBL-DB30

### Oil tray on caster wheels (optional)

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 castor 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.



### Overheating temperature alarm (optional)

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).

Overheating alarm independent from noise enclosure main power supply and battery operated. In case of main power supply failure, overheating alarm will work. It 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.



### 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.

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## Oil drain (see separate brochure)

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, ...)

## 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

External Dimensions	Enclosure model DBL-DB30 (cm)	Enclosure model DBL-DB30 (inch)
Depth	74	29.15
Width	50.5	19.9
Height	58	22.85
Height with oil tray	69	27.17
Weight :	(kg)	(lbs)
Enclosure	17	37.48
Oil tray	9	19.84

# MS NOISE ENCLOSURE FOR VACUUM PUMPS (DBL-DB30)

## *Summary*

Description	Part-number
Noise Enclosure	DBL-BOX-DB30
Optional Tray on caster wheels	DBL-PAN- DB30
Optional overheating temperature alarm	DBL-ALA- DB30
Oil drain valve	ODK (please specify vacuum pump model when ordering)
Oil drain pump	ODP
Connection to building AC unit	On request