

CONDOR© IPS

In-room Purification System



Application and Description

Condor© In-Room Purification Systems are designed for use in applications where on-demand high-efficiency Air Filtration is critical. The Condor IPS is designed for use in Hotels, Isolation rooms and other Critical Care situations where providing a clean environment is essential for support staff.

The Condor© IPS offers a low-cost on-demand solution for room purification where a staff member may be subjected to a potentially contaminated environment throughout the course of their duties. These systems reduce the risk for further spread of harmful air borne particles or viruses. The Condor© is ready to be engaged to provide safety to the operators in the containment effort.



The Condor© IPS comes complete with an H14 deep bed HEPA filter, manufactured to comply with stringent standards and supplied with factory certification. The units are easy to service and can be supplied with either a 250mm, 300mm spigot or full size rear diffuser.

Each Condor© unit is supplied with an individual factory test certificate affixed to the outer body demonstrating that the HEPA filter is leak free when integrity tested to AS1807.7. All Condor© systems can be custom optioned to suit various applications.

Specifications

Description	Part Number	Outlet Exhaust	Outlet Diameter
CONDOR© Negative Pressure Hepa Unit	1687-1600/8	Rear	250mm
	1687-1600/8D	Rear	Full size diffuser
	1687-1600/81	Rear	300mm
	1687-1600/88	Top	250mm
	2687-2600/91	Top	300mm

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ACH Data Tables

Below you'll find additional ACH requirements for specific types of healthcare related rooms.

Area	Minimum total air changes per hour
Enclosed Dental Operatory	12
Open Dental Operatory	6
Cleanup/ Sterilization	10
Laboratory	6
Dark Room	10
General Dental Centers	8 to 12
Oral Surgery Room	15

Air changes/hour (ACH) and time **required for airborne-contaminant removal by efficiency**

Air Changes /hour	Time (mins.) required for removal 99% efficiency	Time (mins.) required for removal (99.9% efficiency)
2	138	207
4	69	104
6+	46	69
8	35	52
10+	28	41
12+	23	35
15+	18	28
20	14	21
50	6	8



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UNIT DIMENSIONS

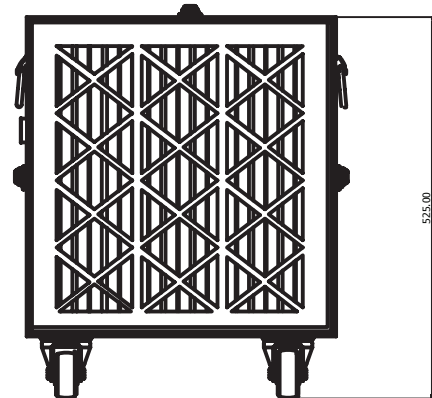
Length rear and top exhaust	620 Rear or 780mm Top
Weight	420mm
Height	420mm
Floor to Top	520mm
Weight	35kg

TECHNICAL DATA

	l/s	dB @ distance
Low Speed	185	54.1 1.5mts
High Speed	254	64.9 1.5mts
Variable speed #1	205	64.9 1.5mts
Variable speed #2	221	57.1 1.5mts

HEPA Filter	
Re-ordering Part Number	1589-7182/050
Minimum Standard	AS. 4260-1997
Country of Manufacture	Australia
Grade and Type	Grade 2 Type 1
Aerosol Penetration Leakage	<0.001 to AS 1807.7

HEPA Performance Data	l/s	Pa
Low speed	56	50
High Speed	349	300
Variable Speed #1	256	200
Variable Speed #2	201	150
Variable Speed #3	160	120



Pre-Filter	
Re-ordering Part Number	FS50-406406
Minimum Standard	AS 1324.2
Country of Manufacture	Australia
Test Aerosol #1	25%
Test Dust #4 Efficiency	30-35%
Test Dust #2 Gravimetric	90-95%

Electrical Usage
240V 0.9Amp 50Hz

Maintenance

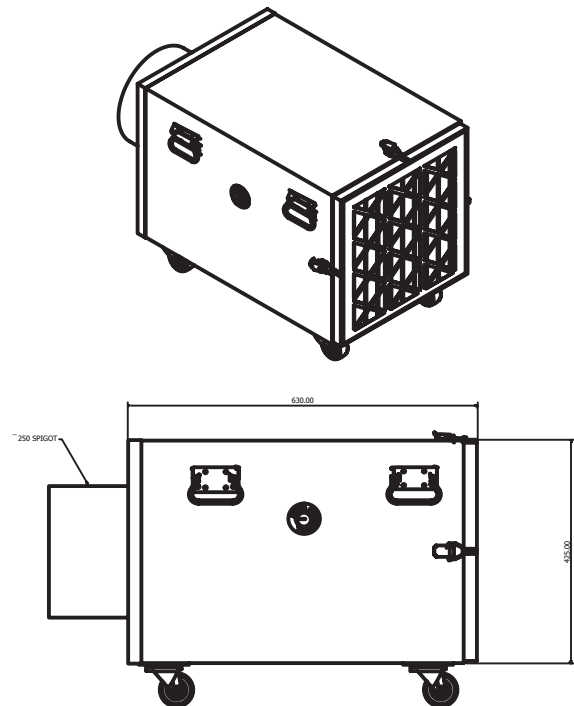
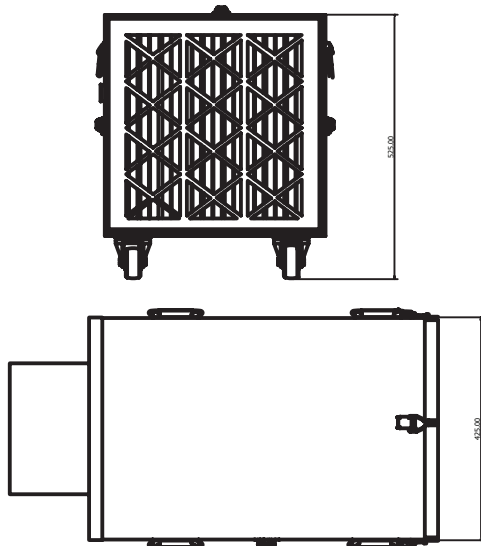
Its recommended when the Condor© IPS is used in critical demanding areas the Pre-filters be replaced every three (3) months. Changing the pre-filter is easy and requires no special tools or fasteners . Simply turn the yellow coloured clip and remove the pre-filter's, be careful not to damage the HEPA media located behind when replacing the pre-filter. Undo the frame, then turn the clips.

The HEPA filter should only be changed by an authorised agent skilled in H14 HEPA filter removal and replacement. Thereafter the system needs to be integrity tested to AS1807.7 and the updated compliance sticker placed on the cabinet side.

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DRAWINGS



How to Specify

Negative air pressure mobile unit designed to meet health requirements, providing a comfortable design rating of 220l/s fitted with a variable speed motor. Complete with a standard deep bed HEPA filter compliant to AS4260 Grade 2 Type 1, and when installed capable of achieving less than $<0.01 @0.3$ micron particle contamination penetration through the media. Fitted with a pre-filter to meet 30% test method #1 efficiency AS1324:2 and compliant to AS 1807:20 noise levels.

Warranty

Each Condor© In-Room Purification System carries a manufacturer's warranty of 12 months against manufacturing defects.

Distribution

For ordering pre-filters and HEPA filters refer to previous table. For location of your nearest distributor contact AES Environmental on 1300 550 116 for further information about the company and products refer to:

www.aesenvironmental.com.au

sales@aesenvironmental.com.au

Similar Products

We Have a range of similar Products, including :

- Condor© Standard, which is a larger model suitable for heavier duty.
- Mini Condor ©, a fully optioned product for asbestos abatement or carpark ventilation Purification.

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In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.

