



MOBILE AIR DECONTAMINATION UNIT

# PLASMAIR®



## PLASMAIR®

### Guardian

- HEPA-MD® technology
- Destruction of microorganisms
- Highly efficient filtration
- Chemical, VOC and Odor removal
- Very silent

**PLASMAIR® Guardian** is mobile air decontamination unit which incorporates HEPA-MD® technology. It allows to treat large volume rooms quickly.

**Use:** Hematology, Bone Marrow Transplant unit, solid transplant unit and onco-hematology.

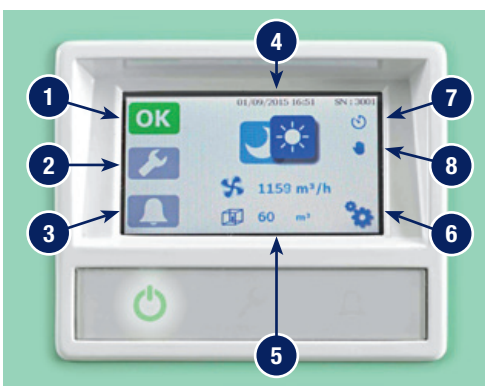
**Related products:** BIOCAIR®, IMMUNAIR®.



## KEY FEATURES

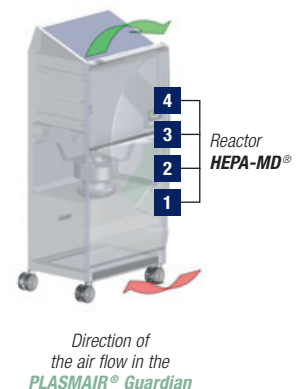
<b>Power supply</b>	~ 100 V, ~ 110/120 V, ~ 230 V	50/60 Hz
<b>Maximum power supply</b>	600 VA / 600 W	
<b>Electrical protection</b>	Isolated by removable power cable	Ph + N bipolar switch with fuses
<b>Volumetric flow rate</b>	Air flow continuously adjustable from 500 m <sup>3</sup> /h to 2,500 m <sup>3</sup> /h (Maximum flow rate, unused pre filter)	
<b>Sound level as per NF-EN ISO 3744:2012 standard at 1 m / 2 m (unused pre-filter)</b>	500 m <sup>3</sup> /h - 30 dB(A) / <30 dB(A) 2,000 m <sup>3</sup> /h - 53 dB(A) / 49 dB(A)	1,000 m <sup>3</sup> /h - 39 dB(A) / 35 dB(A) 2,500 m <sup>3</sup> /h - 58 dB(A) / 54 dB(A)
<b>Air treatment capacity (volume of room)</b>	Potentially all volumes according to desired level of efficiency	
<b>Aerosol filtration efficiency at 1,000 m<sup>3</sup>/h (Unused pre-filter and reactor)</b>	> 99.999%	Particles Ø ≥ 0.3 µm
<b>Microorganisms destruction</b>	Yes, with HEPA-MD® technology	
<b>Microbiological cleanliness class</b>	Total flora	M10 from 18 ACH
	Fungi	M1 from 18 ACH
<b>Particle cleanliness class</b>	ISO 7 from ACH 12 vol/h	
<b>Decontamination kinetic</b>	CP <sub>0.5</sub> 12 at 15 ACH	CP <sub>0.5</sub> 7 at 30 ACH
<b>Water/solid protection</b>	Complete device	IP40
	Control panel	IP40
<b>Overall dimensions</b>	H 1,940 x L 912 x D 690 mm	
<b>Ground support (Offset swivel casters)</b>	Small side	475 to 635 mm
	Large side	685 to 845 mm
<b>Weight</b>	191 kg	
<b>Maximum floor load</b>	587 kg/m <sup>2</sup> (ground support 475 x 685 mm)	
<b>Environmental operating range</b>	Temperature	+5 °C to +35 °C
	Relative humidity*	< 95 % non-condensing
<b>Environmental storage range</b>	Temperature	0 °C to 45 °C
	Relative humidity	20 % to 90 %
	Dusty	< 1 mg/m <sup>3</sup>

\* During intensive wet cleaning of the installation area, it is strongly recommended to temporarily switch off the appliance to limit the peak moisture effect.



## CONTROL PANEL

1	OK	This icon indicates that the unit is working properly
2	Warning	This icon indicates a warning
3	Alarm	This icon indicates an alarm
4	Day/Night	This icon indicates the ventilation setting: DAY/NIGHT
5	Flow rate and volume	This icon indicates room flow rate and volume
6	Settings	Access key to setup menu
7	Automatic night-time programmer	Signal that automatic night-time programmer is activated
8	Manual mode	Signal that manual mode is activated



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