



## The *AiroCide*<sup>®</sup> story begins in space

The *AiroCide* technology originated when NASA needed help with food growth experiments as part of its extended space flight research. One of NASA's Commercial Space Centres in Madison, WI, the Wisconsin Centre for Space Automation and Robotics (WCSAR), along with the University of Wisconsin-Madison (UW), developed a unique photo catalytic oxidation technology that removed a gas called ethylene that makes plants deteriorate.



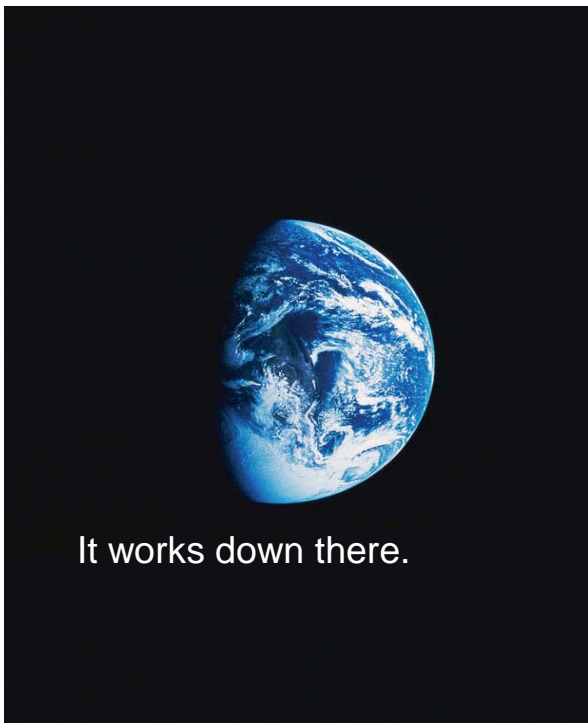
Built to remove ethylene in space but so much more powerful on earth.

*AiroCide* photo catalytic Air Sanitation Systems are the only air purifiers that completely destroy airborne **bacteria, mould, fungi, viruses, volatile organic compounds (VOC's) and odours**. Because the technology in these systems was developed by NASA, they are not filtering systems and produce no harmful by-products like ozone; they are superior to any other air sanitation systems on the market. The *AiroCide* technology is used to provide clean air in a variety of industries including perishable foods, beverages and flowers, dental and medical/healthcare, consumer and many more.



Essential in space. Vital on earth.  
A giant step forward for NASA, and for all of mankind.

The *AiroCide* technology is not a filtration system. The patented technology, integrated with **Photo Catalytic Oxidation (PCO)**, works in unison to destroy harmful airborne microbes and dismantle volatile organic compounds (VOC), like ethylene gas. Clinical studies show a 99% plus kill rate for microbial and removal of VOC's. The *AiroCide* technology is a FDA class II listed medical device that is also used in the medical health care industry. *AiroCide* is energy efficient, as it was originally designed for the NASA space station program to successfully conduct astroculture experiments that required air free of mould spores and ethylene gas.



It works down there.

Technology you can depend on.

*AiroCide* is the most advanced and effective airborne pathogen reduction system available. *AiroCide* uses technology originally used by NASA to grow wheat in space. A non-depleting catalyst inside the unit works with ultraviolet light bulbs to kill airborne pathogens and to decompose volatile organic compounds (VOC's).



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## Product

The *AiroCide* air sanitation systems are available in three model sizes to accommodate many different applications and room sizes. Each model is extremely energy efficient

- *AiroCide* is NASA technology
- *AiroCide* is Space Certified Technology
- *AiroCide* is an FDA Class II medical device
- *AiroCide* improves indoor air
- *AiroCide* has low maintenance requirements
- *AiroCide* is not a filter: it does not collect and concentrate pathogens or allergens and it kills/removes/eliminates small un-filterable microorganisms and VOC's
- *AiroCide* is patented
- *AiroCide* is one-of-a-kind technology
- *AiroCide* is ETL & CE approved
- *AiroCide* is energy efficient



The Systems are designed to operate 24 hours per day.

	ACS – 25	ACS – 50	ACS – 100
Dimensions cm. (Length x width x depth)	40 x 40 x 13	68 x 53 x 13	119 x 63 x 13
Weight Kg.	6.35	12.70	24.50
Power	220 Volt		
Amps at 220 Volt	0.5	1	2
Placement	Wall or Ceiling Mount		
Construction	Stainless Steel & Aluminium		



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## Technical Information

	ACS – 25	ACS – 50	ACS – 100
<b>Airflows</b>	0.17 m <sup>3</sup> /min (6CFM)	0.227 m <sup>3</sup> /min (8CFM)	0.425 m <sup>3</sup> /min (15 CFM)
<b>Noise level at Inlet</b>	52.4dBA	57.5dBA	59.2dBA
<b>Noise level at Outlet</b>	58dBA	59.2dBA	55.2dBA
<b>Ozone concentration</b>	0.0 mg/m <sup>3</sup>	0.0 mg/m <sup>3</sup>	0.0 mg/m <sup>3</sup>
<b>Ion elements</b>	0.0 ct/cm <sup>3</sup>	0.0 ct/cm <sup>3</sup>	0.0 ct/cm <sup>3</sup>
<b>Particulate removal rate</b>	0.0 per 1 hr	0.0 per 1 hr	0.0 per 1 hr
<b>Nx removal rate</b>	0.0 per1 hr	0.0 per1 hr	0.0 per1 hr
<b>VOC removal rate / 1 hr</b>	up to 99.9986 %	up to 99.9986 %	up to 99.9986 %
<b>Pathogen removal rate / 1 hr</b>	up to 99.9986 %	up to 99.9986 %	up to 99.9986 %
<b>Electro-magnetic compatibility</b>	fulfils requirements of EMC per DIN EN 50081-1, DIN EN 50081-2, DIN EN 50082-1 and DIN EN 55015 and		
<b>UV Lamp per system</b>	6	20	46
<b>Power Consumption in Watts</b>	88	200	408
<b>Amp Draw at 220 Volts</b>	0.5 Amps	1 Amps	2 Amps
<b>Electrical insulation</b>	UL 1230/1015/507 CSA 11-39697 ETL 3023400		
<b>Dimensions Cm</b>	40 x 40 x 13	68 x 53 x 13	119 x 63 x 13
<b>Shipping Dimensions Cm</b>	53 x 51 x 20	81 x 61 x 20	135 x 74 x 23
<b>Net weight Kg</b>	6.35	12.70	24.50
<b>Gross weight Kg</b>	7.70	16.33	28.60
<b>EU Directives - EC EMC (89/336/CEE y 73/23/CE)</b>			
<b>FDA Class II Listed Medical Device 510 (k) # K023830 Product Code FRA</b>			