

airdecon® UVc

disinfection at the speed of light

airdecon® UVc room disinfector delivers a no touch, clinically proven performance at a very economical price.

Clinical security

Superior performance guarantees greater than 99.9999% reduction in C. difficile, MRSA, E Coli, polio & TB.

Mobile & robust

The handle circles the whole body, the multi directional wheels and the perfectly balanced base all combine to make moving the ad-UVc a dream.

Remote operation and monitoring

The control centre is built into a tablet allowing the operator to be outside of the disinfection area.

All disinfection cycles recorded to memory - full traceability.

Powerful technology

Many UVc systems do not have the power to offer the microbial reductions required in a short timeframe. By working with Philips we have developed a very powerful, long lasting UVc emitter that when combined with our highly polished reflectors offer true 360° coverage - reducing dark areas and reducing the need to multi position.

Keeping patients and staff safe

The performance guarantees the disinfection you require. The four infrared sensors shut down the system if any movement is detected.

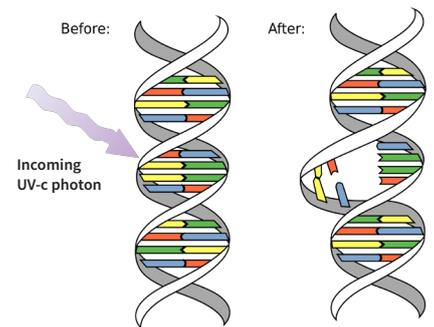
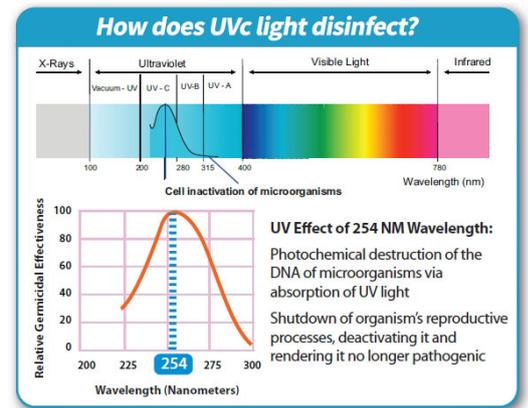
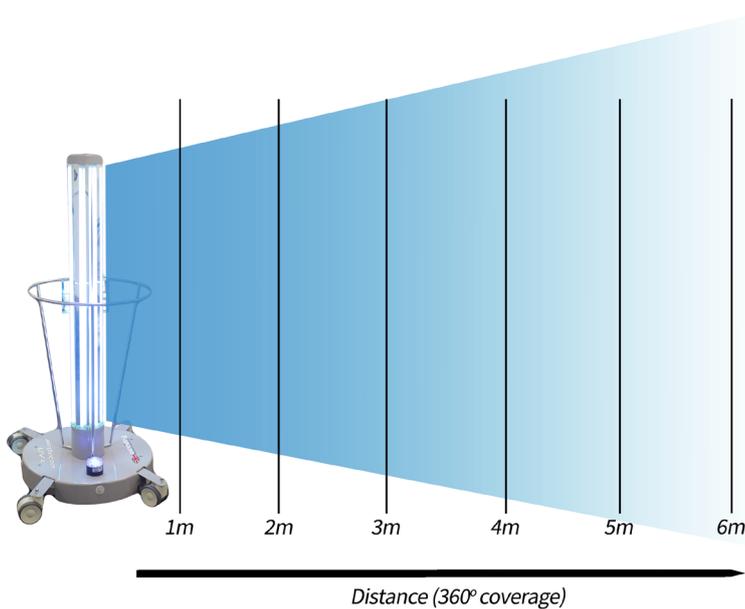
The warning light and buzzer give further warning signals. The ad-UVc tube technology is wrapped in UVc transmitting polymer to contain any breakages.

The UVc light forms no Ozone unlike many other systems. Finally the tablet allows full control and monitoring to be done from outside the area of operation even through walls and solid structures.



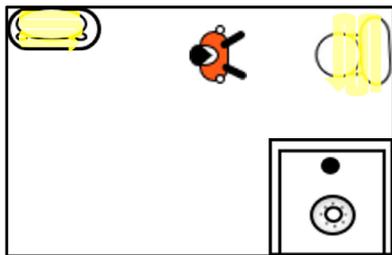
Kill microorganisms using the power of UVC light. Heres how it works.

Inverse Sqaure Law - Every time a distance is doubled, the intensity of light energy is reduced to 25% of the power.

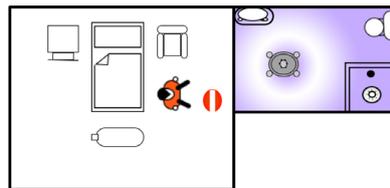


In 5 minutes you have decontaminated the whole room and its ready to use.

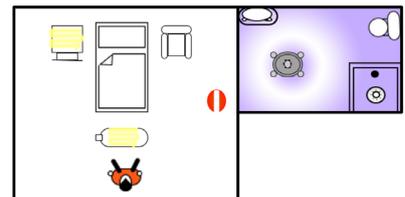
6 steps to success.



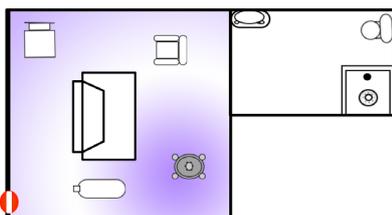
Before using AirDecon UVC, please ensure all fixtures, fittings and medical devices have been cleaned in line with the infection prevention policy and ensure all soiling has been removed. Failure to do so may reduce the efficacy of the AirDecon UVC. If the room has an ensuite bathroom, please ensure this is cleaned first.



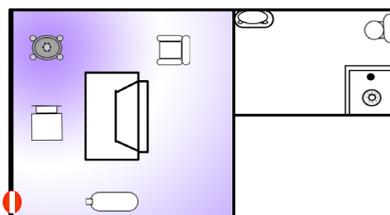
Place the AirDecon UVC in the bathroom. Lift the toilet lid and seat up and remove all disposable items. Close the door behind you and tape up any gaps where the UVC light could escape. Place the 'Do Not Enter' sign outside the room and start the decontamination cycle using the wireless remote.



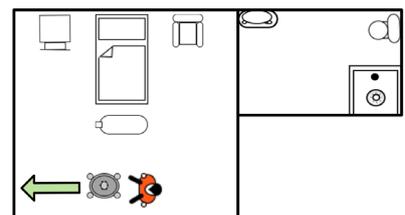
Whilst the AirDecon UVC is performing the decontamination cycle in the bathroom, please clean all fixtures, fittings and medical devices and ensure all soiling has been removed. All disposable items and linen should be removed.



Once the cycle is completed, move the AirDecon UVC into the patients room and place the unit as shown above. Close the bathroom door. Move the bed away from the wall, allowing maxium UVC light exposure and place the mattress at a 45° angle on the left hand side bed rail. Place the pillow on the right hand bed rail. Open the draw of the bedside locker. Close the door behind you and tape up any gaps where the UVC light could escape. Place the 'Do Not Enter' sign outside the room and start the decontamination cycle using the wireless remote.



Once the cycle is completed, move the AirDecon UVC as shown above. Reposition the patient locker and all high touch devices such as the telephone, nurses call bell and tv remote, to maximise UVC light exposure. Place the mattress at a 45°angle on the right hand side bed rail with the unexposed side facing the AirDecon UVC. Place the pillow on the left hand bed rail with the unexposed side facing the AirDecon UVC. Close the door behind you and tape up any gaps where the UVC light could escape. Place the 'Do Not Enter' sign outside the room and start the decontamination cycle using the wireless remote.



Once the cycle is completed, the decontamination process is now complete. Please enter the room and remove the AirDecon UVC. Arrange the room furniture into its original position. There might be a slight smell/ odour when you enter the room of ionisation. This is normal and will soon pass.

Efficacy - independent data reviewed by experts.

4 log	Clostridium difficile Spores (240 J/m ²)	Bacillus subtilis Spores (232 J/m ²)	MRSA (128 J/m ²)	E coli (120 J/m ²)	Mycobacterium tuberculosis (248 J/m ²)	Pseudomonas aeruginosa (220 J/m ²)	Polio virus (126 J/m ²)
0.5m	9 seconds	9 seconds	5 seconds	5 seconds	9 seconds	8 seconds	5 seconds
1m	24 seconds	24 seconds	13 seconds	12 seconds	25 seconds	22 seconds	13 seconds
1.5m	54 seconds	52 seconds	29 seconds	27 seconds	56 seconds	49 seconds	28 seconds
2m	87 seconds	84 seconds	46 seconds	44 seconds	90 seconds	79 seconds	46 seconds
2.5m	135 seconds	131 seconds	72 seconds	68 seconds	140 seconds	124 seconds	71 seconds
3m	194 seconds	188 seconds	104 seconds	97 seconds	201 seconds	178 seconds	102 seconds
4m	332 seconds	320 seconds	177 seconds	166 seconds	343 seconds	304 seconds	174 seconds
5m	503 seconds	486 seconds	269 seconds	252 seconds	520 seconds	461 seconds	264 seconds

6 log	Clostridium difficile Spores (360 J/m ²)	Bacillus subtilis Spores (348 J/m ²)	MRSA (192 J/m ²)	E coli (180 J/m ²)	Mycobacterium tuberculosis (372 J/m ²)	Pseudomonas aeruginosa (330 J/m ²)	Polio virus (189 J/m ²)
0.5m	13 seconds	13 seconds	7 seconds	7 seconds	14 seconds	12 seconds	7 seconds
1m	36 seconds	35 seconds	20 seconds	18 seconds	37 seconds	33 seconds	19 seconds
1.5m	80 seconds	78 seconds	43 seconds	40 seconds	83 seconds	74 seconds	42 seconds
2m	130 seconds	125 seconds	69 seconds	65 seconds	134 seconds	119 seconds	68 seconds
2.5m	203 seconds	196 seconds	108 seconds	102 seconds	209 seconds	186 seconds	107 seconds
3m	291 seconds	281 seconds	155 seconds	146 seconds	301 seconds	267 seconds	153 seconds
4m	497 seconds	480 seconds	265 seconds	249 seconds	514 seconds	456 seconds	261 seconds
5m	754 seconds	729 seconds	402 seconds	377 seconds	779 seconds	692 seconds	396 seconds

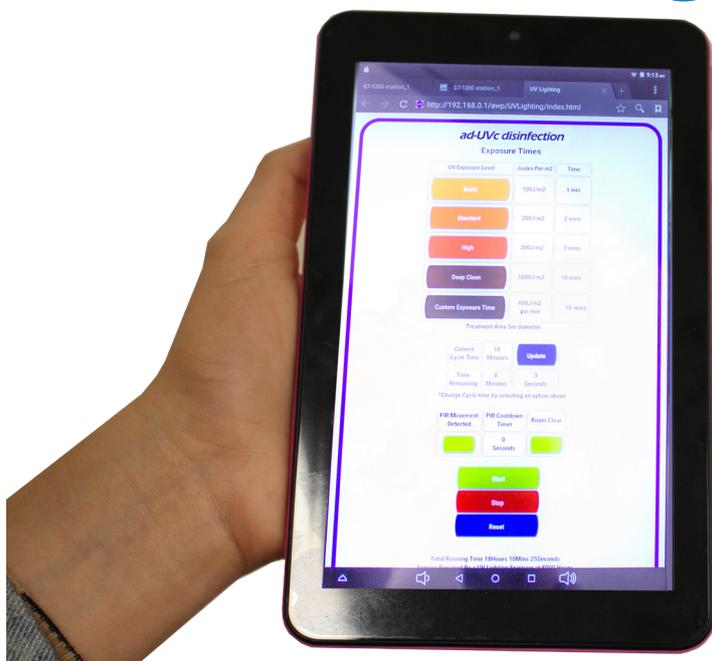
Outbreaks of or patients with *C. difficile* put your health facility at greater risk of HAI's.

Why use airdecon UVc?

1. Ideal for high / rapid turnaround departments and rooms.
2. Operating costs can be as low as GBP(£)0.02 per room.
3. Safe - patients and staff are protected, plastic / glass windows block UVc.
4. Decontaminated area immediately ready for use after ad-UVc - no waiting.
5. Air conditioning and smoke alarm does not need to be sealed or disabled.
6. Fastest Whole Room Decontamination method.
7. ad-UVc creates and leaves no by products - including ozone. No health and safety worries.
8. Make it part of your daily decontamination protocol.

airdecon UVc is controlled & monitored safely via the supplied tablet or any linked smart device.

>99.9999%
kill rate in
1 minute.



The complete process to complete protection in two easy steps.

No decontamination protocol can work unless there is a strong terminal and routine cleaning system in place. In the past we have seen multiple products used for different areas, departments, furniture the list is endless but it also created a lot of confusion, mistakes were made and that costs money that facilities do not have. Now is the time to stop the confusion.

In two easy steps you guarantee your facility is getting the highest level of protection using the latest proven technology that is the safest available today.

Combining Virusolve®+ with airdecon® UVC will drastically reduce / eliminate the level of contamination on medical devices and environmental surfaces.

Peer reviewed studies are highlighting the inadequacies of manual cleaning and disinfection. Showing less than 50% of surfaces are cleaned and disinfected sufficiently.

We are all aware today's budgets do not allow for extra staff to fill this deficit. But using Virusolve®+ as step 1 gives you combined cleaning and high level disinfection in one process delivered in the format you want - concentrate, ready to use or wipes. Proven to be the most economical sporicidal solution on the market today.

airdecon® UVC is then introduced as step 2 to supplement and further guarantee that the highest levels of decontamination is attained.

Nothing is toxic.

Nothing gives off fumes or is harmful.

This combined solution is the fastest sporicidal level of decontamination available for use today.



Virusolve®+ available in;
Intermediate (everyday use) level wipes and liquids.
Sporicidal level wipes and liquids.



References

Best, E. L., Fawley, W. N., Parnell, P., and Wilcox, M. H. (2010). "The potential for airborne dispersal of Clostridium difficile from symptomatic patients." Clin Int Dis 50, 1450-1457.

Durban, E., and Grecz, N. (1969). "Resistance of Spores of Clostridium botulinum 33A to Combinations of Ultraviolet and Gamma Rays." Appl Microb 18(1), 44-50.

Kowalski, W. J. (2012). Hospital Airborne Infection Control. CRC Press/Taylor & Francis, New York.

Liscynsky, C., J. Dyszel, M.A. Vross, E. Richter, J.E. Mangino (2012). "Ultraviolet Light Disinfection: The Energy, Time, and Distance to Eradicate Multi-drug Resistant Organisms and Clostridium difficile, Poster #939."

Nerandzic, M. M., Thota, P., Sankar, T., Jencson, A., Cadnum, J. L., Ray, A. J., Salata, R. A., Watkins, R. D., and Donskey, C. J. (2015). "Evaluation of an automated ultraviolet radiation device for decontamination of Clostridium difficile and other healthcare-associated pathogens in hospital rooms." Infect Contr & Hosp Epidemiol 36(2), 192-197.

Nielsen, P. (2008). "Clostridium difficile aerobiology and nosocomial transmission." Northwick Park Hospital, Harrow, Middlesex, UK.

Pettis, A. M., Shelly, M., Andrews, C., and Allen, F. (2012). "Elimination of Clostridium difficile by Illumination? Surface Disinfection by Ultraviolet Light Treatment." University of Rochester Medical Center, Highland Hospital.

Rutala, W. A., Gergen, M. F., and Weber, D. J. (2010). "Room decontamination with UV radiation." Inf Contr Hosp Epidem 31(10), 1025-1029.

Carling PC, Parry MF, Von Behren SM. Healthcare Environmental Hygiene Study Group. Identifying opportunities to enhance environmental cleaning in 23 acute care hospitals. Infect Control Hosp Epidemiol 2008;29:1-7.



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