



Mobile UV Room Sterilizer

The Mobile UV Room Sterilizer (MUVRS) features 4 shatter-proof coated High Output UV lamps for total room irradiation. The MUVRS units are designed for virtually any room that needs air and surface disinfection, including sterile areas, laboratories, unoccupied patient rooms etc.

Each unit is equipped with casters for maximum portability, a 750cm power cord, on/off switch with 2min delay, timer and carry handle. The unit physical size is 30cm x 30cm x 60cm.

General Operation:

1. Put protective goggles on and position unit in center of area to be exposed to germicidal UV light.
2. Plug unit into standard wall power outlet and set timer to the desired exposure time before pressing the Start switch.
3. Leave the room. Keep the UV goggles with you in case you need to re-enter the room while the UV system is still in operation.
4. Disinfection cycle begins after 120 seconds (2min) and will continue for the preset time until the timer turns the unit off
5. Reposition the unit to cover any shadowed areas, if needed, and repeat the procedure. Elevate if needed to cover higher surfaces.

Sterilizing Capability:

UV Intensity		
Distance (cm)	UV Intensity ($\mu\text{W}/\text{cm}^2$)	To calculate the exposure time - divide the desired UV dose by the UV intensity at any specific distance.
15	2,734	UV Dose needed for 3-log (99.9%) inactivation of: MRSA - 12,100 $\mu\text{W}\cdot\text{sec}/\text{cm}^2$ C.diff(spores) - 11,500 $\mu\text{W}\cdot\text{sec}/\text{cm}^2$ VRE - 8,400 $\mu\text{W}\cdot\text{sec}/\text{cm}^2$
30	1,373	
60	493	
100	212	
150	95	
300	24	
i.e For MRSA located 3 metres from the unit, exposure to UV intensity of 12,100/24 seconds is required. 504.16 secs or approx 8.5 minutes.		



Distance (cm)	UV Dose in microwatt-seconds per square cm ($\mu\text{W-sec/cm}^2$) at specified distances from the unit			
	60cm	100cm	150cm	300cm
Time				
15 mins	444,564	190,800	86,241	21,942
30 mins	889,128	381,600	172,482	43,884
45 mins	1,333,692	572,400	258,723	65,826
1 hour	1,778,256	763,200	344,964	87,768
6 hours	10,669,536	4,579,200	2,069,784	526,608
12 hours	21,339,072	9,158,400	4,139,568	1,053,216

For more information, please contact:

John O'Connell, Managing Director,
 CW Applied Technology (Shannon) Ltd.,
 Bay 143, Shannon Industrial Estate,
 Shannon, Co. Clare, V14 KV66
 Ireland

DD Tel.: +353876871295
 Alt Tel.: +35361472221 ext. 119
 Fax: +35361472226

<http://www.cwappliedtechnology.com/>

Directors: John O'Connell (Ireland) , John Geehan (Ireland), Eileen O'Connell (Ireland)
 CW Applied Technology (Shannon) Ltd. is registered in Ireland at above address.
Company Registration #: 541623 **Company VAT #:** 3258566WH