

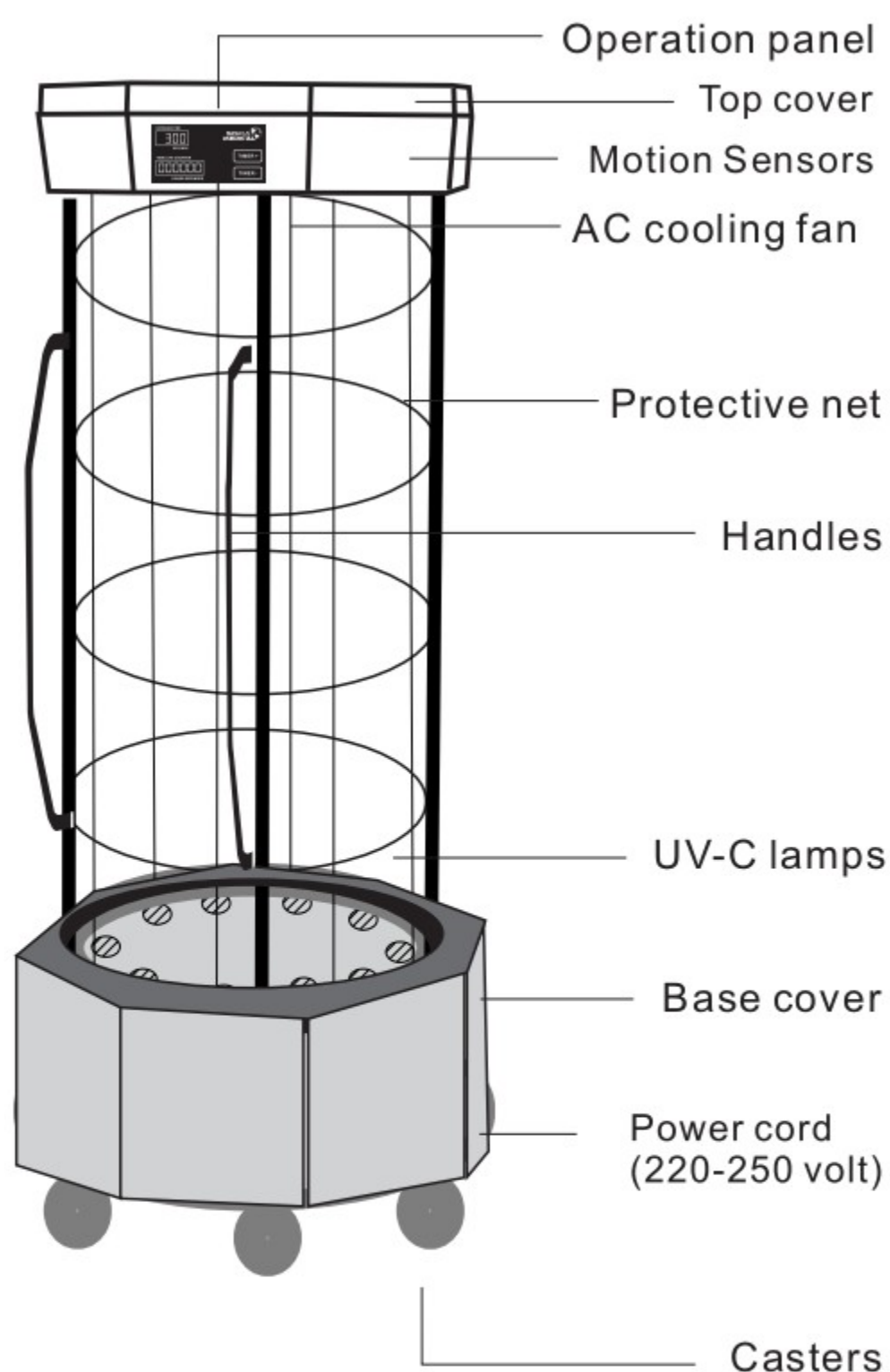


UVGI SM-20MK2 AIR STERILIZER

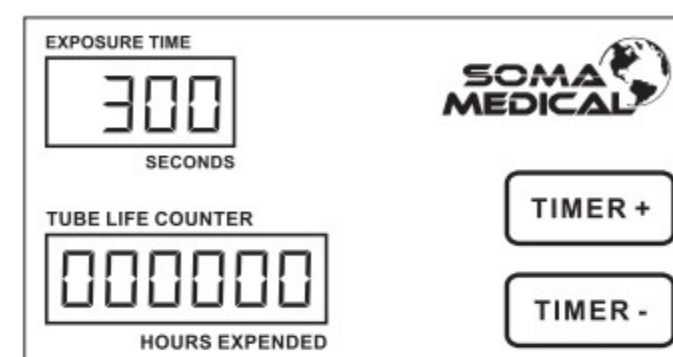
Lightwave: UV-C primarily in the 222nm wavelength
 Power: AC220-230V, 50Hz
 Power of bulb: 120 watts Amalgam
 Number of bulbs: 8 pieces
 UV intensity@1meter for each bulb: $310\mu\text{w}/\text{cm}^2$
 UV intensity for whole unit:
 @1meter: $982\mu\text{w}/\text{cm}^2$
 @2meters: $493\mu\text{w}/\text{cm}^2$
 @3meters: $308\mu\text{w}/\text{cm}^2$
 @4meters: $183\mu\text{w}/\text{cm}^2$
 @5meters: $129\mu\text{w}/\text{cm}^2$
 @6meters: $88\mu\text{w}/\text{cm}^2$
 Bulb lifespan: 13,000 operational hours
 Ballast lifespan: 20,000 operational hours
 Bulb length: 1145mm
 Product dimension: 55x55x160cm
 Nett weight: 35kgs
 IR Motion sensor: for 360 degree coverage
 Cooling fan: to blow away the hot air mass
 5 castors: 5" medical grade neoprene casters



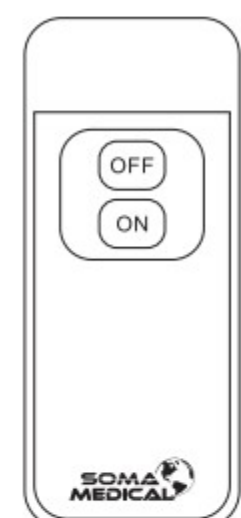
External structure



Operation panel



Remote control



How to operate the unit

- * Press ON/OFF button on the back of the unit to power on the unit
- * It shows 300 seconds on the display when power on. Press Timer (+) or Timer (-) to select time. (the maximum time is 1800 seconds)
- * Press ON on the remote. The unit will start after 15 seconds
- * Press OFF button on the remote any time to cancel the timer.
- * Exposure time - to show the countdown of the timer
- * Tube life counter - to show total operating time

The best preventive method for airborne diseases, yeast, fungi, bacteria, mold and spores

UVGI SM-20MK2



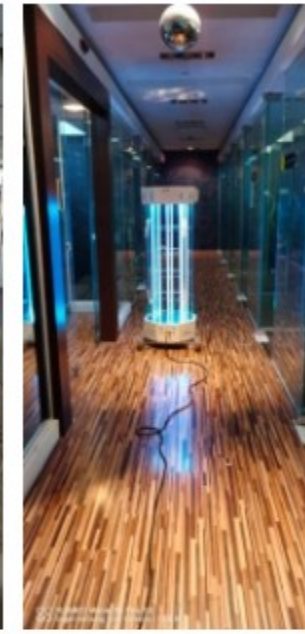
Hospital



Meeting room



Office



Hotel



Food processing plant

Benefits:

- Effective in the prevention of Tuberculosis, MRSA, H1N1 and other airborne cross contamination.
- Eliminates 99.9% of bacteria, yeast, mold and fungus problems found in hospitals, schools, food manufacturing plants and offices.
- Recommended by medical experts.
- Kills harmful bacteria in closed premises.
- Reduces asthmatic effects.
- Eliminates odours and neutralizes the air against cross contamination..

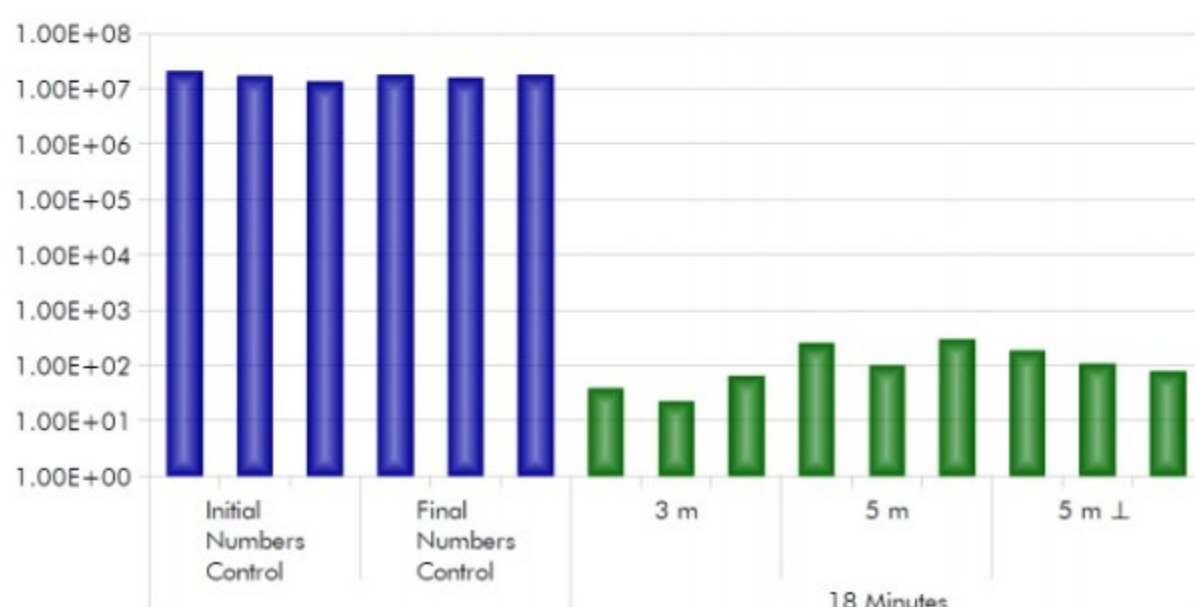
Applications and locations where to implement :

- Clinical environments such as clinics, hospitals, operating rooms, dental surgery, schools, holding facilities.
- Laboratories and testing facilities that require a clinically clean environment.
- Food processing plantations.
- Decontamination of storage facilities.
- Food storage facilities (cheese, wine, vegetables, fruits, meat, etc.).
- Removes "bad air" in factories and adjacent offices.
- Treatment of air in waste management facilities.

Test report

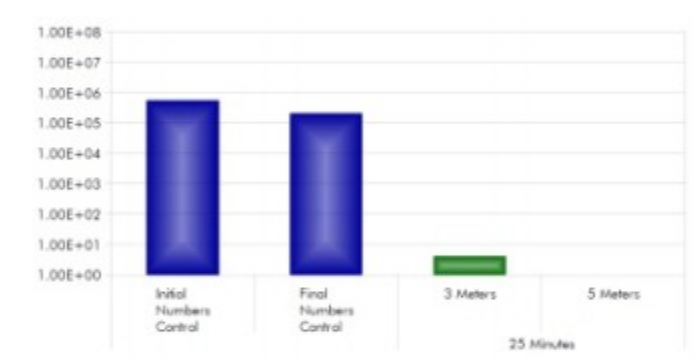
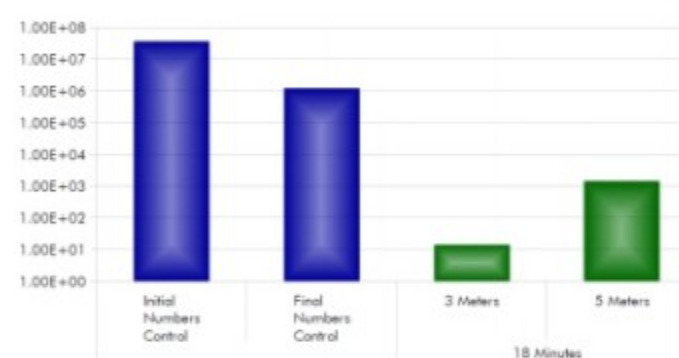
Staphylococcus aureus

Species	Contact Time	Contact distance	% reduction
<i>S. Aureus</i> (run 1)	10 minutes	3 meters	99.9987%
		5 meters	99.9967%
		5 meters perpendicular	99.9975%
<i>S. Aureus</i> (run 2)	18 minutes	3 meters	99.9998%
		5 meters	99.9989%
		5 meters perpendicular	99.9993%



Listeria monocytogenes

Species	Contact Time	Contact distance	% reduction
<i>L. monocytogenes</i> (run 1)	18 minutes	5 meters	99.9998%
		5 meters perpendicular	99.978%
<i>L. monocytogenes</i> (run 2)	25 minutes	5 meters	99.9988%
		5 meters perpendicular	>99.9997%



Clostridium difficile

Species	Contact Time	Contact distance	% reduction
<i>C. difficile</i> (run 1)	12 minutes	3 meters	99.03%
		5 meters	99.16%
<i>C. difficile</i> (run 2)	55 minutes	3 meters	99.994%
		5 meters	99.992%

