

UV Cart System



Unique Features of UV Cart System:



Front View



Top View



Bottom View

- ❖ UV Cart System is designed to deliver high germicidal intensity in excess of **2800 $\mu\text{W}/\text{cm}^2$** , adequate to sanitize the area & inactivate the micro-organisms in a short time.
- ❖ In built frame with high intensity UV lamp operating at germicidal wavelength to impart germicidal power to kill most bacteria and virus.
- ❖ UV Cart System is designed with UVGI Fixtures. Each Fixture contains 2 lamps, to ensure deep penetration over the surface. Multiple UVGI Fixtures in one frame are designed to cover a large surface.
- ❖ Each UVGI unit or fixture is installed over a custom profiled aluminium reflector mirror surface with specular reflectivity of 86% which diverts UVC power emitted on all sides of the lamps back on the target surface.
- ❖ Disinfects walls, ceiling, floor in one movement apart from saving cost and time.
- ❖ The lamp is high output type **425 mA each**, with a **rated lamp life of 12000 hours**.
- ❖ No pre design is required.
- ❖ Low operating cost with minimum to no periodic maintenance.
- ❖ Power Supply for UV Cart System is **230 V / 50 Hz**
- ❖ Product Developed in collaboration with **Ruks Engineering, Canada**.

PRODUCT SAFETY FEATURE

- Lamps are housed individually in **quartz sleeve equivalent to GE 214** to ensure high rate of transmission of UV Intensity. The quartz sleeve is essential to ensure multiple beneficial features.
 - Prevent dust particle settling on lamp surface.
 - Ensure Lamp surface is maintained at constant temperature.
 - Prevent contact of water or moisture on the lamps in the event of any spillage.
 - Contain and hold mercury from slippage out of lamp, in the event of breakage of lamp.
 - Facilitate environmentally safe disposal of broken lamp.
- UVGI fixture is **UL listed -1995 & UL-2043** to assure total safety.

OPERATIONAL SAFETY GUIDELINES

- UV Cart operators must wear UV eyewear and appropriate clothing / hand gloves for nil skin exposure.
- During operation of UV cart to sanitize specific area, precaution need to be taken to ensure nil human occupancy.

Models	Total No. of UVC Fixtures	Total No. of UV Lamps	Size (mm) W x D x H
VL - UVC - 2 - W	2	4	800 x 800 x 1500
VL - UVC - 4 - W	4	8	800 x 1050 x 1500
VL - UVC - 6 - WC	6	12	800 x 1050 x 1850
VL - UVC - 8 - WCF	8	16	800 x 1050 x 1850

Model Nomenclature : **W** - Wall • **WC** - Wall / Ceiling • **WCF** - Wall / Ceiling / Floor

Product design and innovation is a continuous process in VOLTAS and hence the above specifications are subject to change without notice.

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