Safe and effective ultraviolet air disinfection for occupied spaces

Ultravation® BioGardUV™ germicidal ultraviolet air disinfection destroys airborne pathogens by exposing the upper regions of the room to germicidal UV light. Since air naturally circulates in a room due to convection, air that is warmed in the lower part of a room (from respiration and other sources) continually rises where it will be exposed to UV light, which kills airborne bacteria and viruses in seconds. Since the UV light field is restricted to areas above seven feet, the room is safe for occupancy while the air is continuously disinfected.

BioGardUV™ is completely quiet and is energy efficient, using no more power than a fluorescent lamp and uses no fans or blower.

Two wall-mount models are available plus a ceiling mount model that installs flush-to-ceiling or with optional pendants. The ceiling mount model creates two disinfection zones, front and rear.

Contact Ultravation for information and advice on the number of units required based on room size, and for placement suggestions.

Important: The 7-foot minimum installation height requirement must be observed to assure the safety of the occupants.

Three Models:

FS-22 wall mount 23 7/16" wide

FS-33 wall mount 35 1/8" wide

FS-233-CR front-rear bi-directional ceiling mount 35 1/8" wide
Features:
- Focused 254nm germicidal UV wavelength
- 9,000 hour UV lamp life
- Silent operation
- Energy efficient
- Aluminum construction
- Powder coat finish
- Safety interlock switch
- Hinged access door
- No tools required for UV lamp changes

Upper Level Convection Germicidal UV Room Air Purifier
Commercial and Institutional Applications

BioGard™ FS-22
upper air irradiance 15 x 20 ft room

BioGard™ silent, natural convection operation

Warmed air from respiration and other sources rises carrying bio-contamination
Cooler, disinfected air naturally circulates downward

BioGard™ Coverage for large spaces

BioGardUV™ FS-233-CR ceiling mount UV system creates disinfection zones front and rear

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Coverage sq. ft.</th>
<th>Total UV-C output</th>
<th>UV lamp wavelength</th>
<th>UV lamp life</th>
<th>Power consumption</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>BioGardUV™ FS-22</td>
<td>225 (15’x15’)</td>
<td>10w</td>
<td>254nm</td>
<td>9,000 hrs</td>
<td>25VA</td>
<td>23 7/16&quot;</td>
<td>5 1/2&quot;</td>
<td>7 1/4&quot;</td>
</tr>
<tr>
<td>BioGardUV™ FS-33</td>
<td>350 (16’x22’)</td>
<td>16w</td>
<td>254nm</td>
<td>9,000 hrs</td>
<td>36VA</td>
<td>35 1/8&quot;</td>
<td>5 1/2&quot;</td>
<td>7 1/4&quot;</td>
</tr>
<tr>
<td>BioGardUV™ FS-233-CR</td>
<td>750 (16’x44’)</td>
<td>32w</td>
<td>254nm</td>
<td>9,000 hrs</td>
<td>72VA</td>
<td>89.22cm</td>
<td>13.97cm</td>
<td>38.26cm</td>
</tr>
</tbody>
</table>

Power: All models auto-sensing 120-277 VAC, 50/60 Hz.
Important: When installed, bottom of fixture must be at least 7 feet above the floor.

Typical placement for various models

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