**Duct Data**
- **Duct Width**: 36 in
- **Duct Height**: 28 in
- **Airflow**: 10000 CFM
- **Air Velocity**: 1428.57 ft/min
- **Duct Wall Material**: Galvanized duct - rough

**UVGI Lamp Data**
- **Model**: TUVC-ADS-246D-HO
- **Number of Units**: 1
- **Setup type for multiple units**: n/a
- **Number of Lamps per Unit**: 2
- **Lamp Length**: 1148 mm
- **UVGI Power per Lamp**: 34 W
- **Electrical Power per Lamp**: 100 W
- **Electrical Power per Module**: 200 W
- **Electrical Power (Total)**: 200 W
- **Teflon coating**: No

**Irradiation Data**
- **Avg germicidal UV dose delivered**: 936 µJ/cm²
- **Air temperature increase**: 0.0 °C
- **Exposure time**: 0.14 s

**Inactivation (sterilization) rates after 18000 hours**

<table>
<thead>
<tr>
<th>Microorganism</th>
<th>Recirculation (6 passes)</th>
<th>Minimum</th>
<th>Average</th>
<th>LOG Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coronavirus</td>
<td></td>
<td>&gt; 99.99%</td>
<td>&gt; 99.99%</td>
<td>&gt; 4</td>
</tr>
<tr>
<td>Tuberculosis</td>
<td></td>
<td>99.92%</td>
<td>&gt; 99.99%</td>
<td>&gt; 4</td>
</tr>
<tr>
<td>Influenza A virus</td>
<td></td>
<td>98.14%</td>
<td>99.87%</td>
<td>2</td>
</tr>
<tr>
<td>Adenovirus</td>
<td></td>
<td>84.23%</td>
<td>95.45%</td>
<td>1</td>
</tr>
</tbody>
</table>

**UVC dose inside the duct after 18000 hours (mJ/cm²)**

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**Note:** 4-log inactivation equals 99.99%. Higher than 4-log inactivation are achieved in real-life scenarios but the exact predictions/model would be inaccurate because the UV disinfection analysis utilises single stage decay data and equations.

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800-741-1195 sales@freshaireuv.com
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