HORIZONTAL LAMINAR AIR FLOW

Model no.- ACM-915H
Weiber Horizontal Laminar Flow workstations are designed to protect the product within the work area from airborne particulates in the ambient air. The regulated efflux of custom made laminar airflow supplies the work zone with ISO Class 3 air cleanliness to offer the best product production by a clean bench in the industry.

Weiber is a manufacturer, supplier, exporters and distributor of supreme quality horizontal laminar air flow. Weiber specializes in both standard and customized horizontal laminar air flow.

Our versatile unit is useful for various works that require maintenance of the cleanliness and purity like plant tissue culture, examination and experimentation of precision electronic parts, medical science, entomology, pharmacy, agriculture sector, seed science, veterinary science.
These microprocessor based units ensure to provide protection to products and samples kept in it, with a parallel flow of clean air through filters situated at the rear of the cabinet. The standard HEPA filters in the cabinets are 99.997% efficient at 0.3 microns.

**PROCESS EXPLANATION**

These microprocessor based units ensures to provide protection to products and samples kept in it, with a parallel flow of clean air through filters situated at the rear of the cabinet. The standard HEPA filters in the cabinets are 99.997% efficient at 0.3 microns.

**CONSTRUCTION DETAILS**

Our units are fabricated of industrial grade wooden boards covered with mica sheets / mild steel / SS-304. The inner portion of all our laminar air flows is painted with epoxy paint coating for extra long life. The working table is made of heavy gauge stainless steel sheet of grade SS-304. The side panels made glass sheets are mounted on anodized aluminum frames.

**APPLICATIONS**

- Microbiological applications
- Hospitals
- Pharmaceutical
- Food
- Beverage
- Medical application

**SALIENT FEATURES**

- Durable & cost effective
- Fluorescent tube light
- Suitable motor blowing assembly
- Vibration free operations
- Microprocessor Based
- As per EN 12469 standard
- Temperature compensated air velocity sensor

**NOISE LEVEL**

These ceiling mounted laminar air flow units are designed to ensure minimum possible noise and vibration levels.

**ILLUMINATION**

The fluorescent light housing is externally mounted to provide optimum lighting into the work area. The acrylic top and side panels allow for additional ambient light and visibility into the work area.
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Cabinet construction</td>
<td>Industrial grade mica clad wooden board / mild steel / SS-304</td>
</tr>
<tr>
<td>Side walls</td>
<td>Colorless &amp; transparent</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 HZ</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>220-230 volts</td>
</tr>
<tr>
<td>Air flow</td>
<td>Unidirectional</td>
</tr>
<tr>
<td>Noise pressure(dB) (A)</td>
<td>&lt;54dB</td>
</tr>
<tr>
<td>Filtration</td>
<td>Double filtration system</td>
</tr>
<tr>
<td>Efficiency of HEPA filter</td>
<td>99.99%</td>
</tr>
<tr>
<td>Pre filter unit</td>
<td>Washable pre filter unit</td>
</tr>
<tr>
<td>Illumination</td>
<td>Fluorescent light illumination greater than 800 lux</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>500-750 watts</td>
</tr>
</tbody>
</table>
### HORIZONTAL LAMINAR AIR FLOW STANDARD SIZES

<table>
<thead>
<tr>
<th>Model</th>
<th>LH-22</th>
<th>LH-32</th>
<th>LH-42</th>
<th>LH-62</th>
<th>LH-82</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Size</td>
<td>2' x 2' x 2'</td>
<td>3' x 2' x 2'</td>
<td>4' x 2' x 2'</td>
<td>6' x 2' x 2'</td>
<td>8' x 2' x 2'</td>
</tr>
</tbody>
</table>
| Size of HEPA Filter | 2' x 2' x 6" | 3' x 2' x 6" | 4' x 2' x 6" | 3' x 2' x 6" | 4' x 2' x 6"
| No. of HEPA Filter | 1 | 1 | 1 | 2 | 2 |
| Illumination | 1 x 20 w | 1 x 20 w | 2 x 40 w | 2 x 40 w | 4 x 40 w |
WHO: GMP Products  |  GLP Compliant Products

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