DOWNDRAFT TABLES FOR WELDING AND GRINDING

EXPERIENCE THE ULTIMATE IN POLLUTANT CONTROL

Our line of downdraft tables offer a hands-free method of capturing and removing dangerous dust and fumes from the technician’s workspace right at the source.

Ideal for applications such as:

- Welding processes
- Sanding and buffing
- Batching
- Powder and light dusts
- Light smoke
EUROVAC DOWNDRAFT TABLES

Any metal transforming facility includes welding, grinding or sanding on metals. These processes create harmful pollutants and volatile dust, which contaminate the technician’s breathing zone.

Eurovac offers a wide variety of hand-free downdraft suction tables to help keep the workspace environment clean. These superior solutions were created to replace the typical articulated fume arms for source capture, allowing the technician to concentrate on the job at hand. Or experienced engineers can help design the right unit for any application and workspace, ensuring all meet the strict OSHA standards.

Features Include:
- 12 and 14 gage painted steel cabinet
- Perforated work surface
- Quiet direct drive fan
- Sealed access door to filters and fan
- High efficiency cartridges
- Pulse jet cleaning of cartridges
- Removable dust collector drawer
- Removable aluminum spark trap filters for welding and grinding applications

Typical Applications:
- All welding processes
- Grinding dusts and most airborne dusts
- Polishing, printing, buffing
- Powder mixing and batching

Optional accessories include:
- Back drop and side panel on hinges for “tunnel” effect into work surface
- LED light kit (explosion proof available)
- Magnehelic pressure gages
- Knee overhang for workers to sit
- Custom work surface for precious alloys protection
- Extra large casters with foot brakes for easy displacement of unit
- Customized perforated work surfaces for special applications
- Reinforced structure for heavy objects laying on work surface
- Custom colors
- Outlet silencer
- Carbon after filter
TYPICAL DESIGNS AND USAGE WITH EUROVAC DOWNDRAFT TABLES

- 30” x 36” bench with protective mat for sensitive alloys
- 36” x 72” bench with knee overhang, back drop and side panels
- 36” x 72” bench with slotted backdrop for backdraft suction
- 36” x 96” open perimeter bench for walk around purposes
- 24” x 48” bare table for connection to a central dust collector

Downdraft Tables for Welding and Grinding
**EUROVAC STANDARD DOWNDRAFT TABLE MODELS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Work surface</th>
<th>Air volume</th>
<th>Motor</th>
<th>Downflow (avg)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDT-2X3-D1201000</td>
<td>7.50 Sq. Ft./.70 Sq. Mt</td>
<td>1250 CFM/590L/S</td>
<td>2 HP/1.5 Kw</td>
<td>300 FPM/1.5 MPS</td>
<td>280 Lb/130 Kg</td>
</tr>
<tr>
<td>DDT-3X4-D4603000</td>
<td>10.67 Sq. Ft./.99 Sq. Mt</td>
<td>2000 CFM/945L/S</td>
<td>3 HP/2.2 Kw</td>
<td>330 FPM/1.7 MPS</td>
<td>450 Lb/205 Kg</td>
</tr>
<tr>
<td>DDT-3X6-D5753000</td>
<td>16 Sq. Ft./1.48 Sq.Mt</td>
<td>2750 CFM/1300L/S</td>
<td>5 HP/3.7 Kw</td>
<td>300 FPM/1.5 MPS</td>
<td>550 Lb/250 Kg</td>
</tr>
<tr>
<td>DDT-4X6-D4603000</td>
<td>22 Sq. Ft./2.04 Sq. Mt</td>
<td>3500 CFM/1650L/S</td>
<td>7.5 HP/5.5 Kw</td>
<td>290 FPM/1.4 MPS</td>
<td>750 Lb/340 Kg</td>
</tr>
<tr>
<td>DDT-4X8-D4603000</td>
<td>29.33 Sq. Ft./2.72 Sq. Mt</td>
<td>5000 CFM/2360L/S</td>
<td>10 HP/7.5 Kw</td>
<td>290 FPM/1.4 MPS</td>
<td>1100 Lb/500 Kg</td>
</tr>
</tbody>
</table>

*Note: Models described above are for references. Eurovac also offers custom sized work benches with less or more air volume and different motor outputs.*

**DOWNDRAFT WORK BENCHES GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>Motors</th>
<th>TEFC 3500 RPM</th>
<th>Compressed air requirement</th>
<th>Min 60 PSI Max 90 PSI</th>
<th>Available work surfaces</th>
<th>Open steel grate or perforated fiberglass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control panels</td>
<td>UL/CSA NEMA 4/12</td>
<td>SCFM per pulse</td>
<td>5 to 7</td>
<td>Steel finish</td>
<td>Powder coat pain</td>
</tr>
<tr>
<td>Steel cabinets</td>
<td>11 and 14 gage</td>
<td>Max operating temperature</td>
<td>275 F 135 C</td>
<td>Db rating</td>
<td>68 to 75</td>
</tr>
</tbody>
</table>

*Downdraft work benches must not be used for capture of explosive or toxic gases or harmful vapors.*

**Safety notes:**
- In order to minimize fires and/or explosions, empty dust drawer every day if possible and check filter status as often as possible.
- Eurovac may require dust samples if the customer cannot ascertain the origin and type of pollutants to be filtered.
- The dust collector is not to be used for any other types of dust than for which it was designed and/or specified.
- The downdraft work tables described in this brochure may not be used for highly reactive dust such as aluminum (Eurovac will recommend wet type scrubbers for such application).

*For every need and budget, trust the dust collection specialists.*

*For more information, contact Eurovac:*

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