Fume hood

Technical specifications
Fume hood model 300

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>1000 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>650 mm</td>
</tr>
<tr>
<td>Height</td>
<td>1230 mm</td>
</tr>
<tr>
<td>Internal cupboard height</td>
<td>1012 mm</td>
</tr>
<tr>
<td>Sash opening (max.)</td>
<td>600 mm</td>
</tr>
<tr>
<td>Sash material</td>
<td>Toughened glass, 5 mm</td>
</tr>
<tr>
<td>Ventilation: Connection size</td>
<td>1 x Ø160 mm / 1 x Ø250 mm</td>
</tr>
<tr>
<td>Noise in dB</td>
<td>Max. 40</td>
</tr>
</tbody>
</table>

© Galvanized steel  
* Does not exceed ISO 3746 Grade 3

### CHOICE OF SIDES

- Without glass
- Glass in right and left side
- Glass in right side
- Glass in left side
- Glass in back panel, right and left side
- Glass in back panel and right side
- Glass in back panel and left side
- Glass in back panel

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Fume hood features

- Inner rear lining
- Side
- Connection for cold water with a ½” internal thread
- Fittings track
- Glass airfoil
- Glass sash
- Handle
- Front plate
- Fittings box for light on glass top plate
- Sloping cover
- Expolosion flap cover
- Extractor connection
- Back panel of fume hood
- Front plate
- Drain in PP, Ø40 mm
- Connection for cold water with a ½” internal thread
Specifications

FUNCTIONAL DESCRIPTION
• Sash in toughened safety glass with rounded, polished corners.
• Stainless steel safety wire with weights provides a steady, infinitely variable raising/lowering of the sash.
• Easy to clean surfaces.
• Easy access light fitting on top of the fume hood.
• Explosion flap.
• Gas, water and air fittings can be integrated in the fittings track inside the fume hood.
• Easy connection to ventilation system via connection on top of the fume hood.
• Glass airfoil for better flow into the fume hood. Reduces turbulence around the opening.
• Electrical sockets/switches, etc. are located separately in the fume hood.
• The fume hood should be installed on a worktop frame or a base cupboard.

MATERIAL DESCRIPTION
• Sides: 40 mm laminate coated chipboard.
• Back panel: 18 mm laminate coated MDF.
• Inner rear lining: 6 mm compact laminate.
• Sloping cover: 6 mm compact laminate.
• Cover (top of the fume hood): 20 mm plywood/laminate.
• Front plate: 18 mm laminate coated MDF.
• Front panel: 18 mm laminate coated MDF.
• Worktop: Acid-proof stainless steel. Available with or without drip cup.
• Glass top plate: 5 mm toughened safety glass.
• Fittings box: 1 mm powder coated sheet steel.
• Light fitting: LED fluorescent tubes or long life fluorescent tubes. Meets the requirements of DS 700 for an illumination intensity of min. 500 lux on the work object.
• Ventilation: Steel tube Ø160 mm or PP conical connection Ø250 mm.
• Sash:
  • 5 mm toughened safety glass with rounded, polished BFS edges
  • Glass airfoil in 1.5mm 316 stainless steel
  • Stainless steel wire
  • D-handle, acid-proof stainless steel

AIR VOLUME / VELOCITY

<table>
<thead>
<tr>
<th>Work opening in metres</th>
<th>Air volume m³/h</th>
<th>Air velocity m/s</th>
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<tbody>
<tr>
<td>0.30</td>
<td>420</td>
<td>0.42</td>
</tr>
<tr>
<td>0.40</td>
<td>420</td>
<td>0.32</td>
</tr>
<tr>
<td>0.50</td>
<td>420</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Air volumes measured using Ø160 mm connection
Fume hood options

Fume hoods can be supplied and installed with a steel worktop frame or with a base cupboard.

Example: Fume hood installed on a worktop frame
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