The Solution Hood was designed to handle a multitude of applications. Its streamlined posts and radiused airfoil, along with a 36-inch high viewing area, offer a softer look than conventional fume hoods. The hood passed NIH, EPA and ASHRAE 110 testing by a third party at 100 FPM and 60 FPM full open and at 18 inches. The hood can be used in both CV and VAV designs.
- Designed for CV or VAV HVAC systems
- Optimal interior working depth
- Chain and sprocket shaft drive sash
- 10" Round SS Duct Collar(s)
- Full Frame Construction
- Powder Coated Finish
- UL1805 Listed
- Flush mount airfoil
- LED Lights
- Full-length finger lift
- Knock down ready

* Rectangular to 12" round transition available
Counter Top Configurations

Solution 30" Countertop Depth

Solution 36" Countertop Depth
Solution Fume Hoods come in a variety of options and sizes. Check with your local representative for all of the different available options to fit your needs.

<table>
<thead>
<tr>
<th>Part Number*</th>
<th>18” Sash Height</th>
<th>28” Sash Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CFM @ 100 FPM / Static Pressure</td>
<td>CFM @ 60 FPM / Static Pressure</td>
</tr>
<tr>
<td>Solution-48</td>
<td>475 / 0.10</td>
<td>285 / 0.04</td>
</tr>
<tr>
<td>Solution-60</td>
<td>625 / 0.12</td>
<td>375 / 0.05</td>
</tr>
<tr>
<td>Solution-72</td>
<td>775 / 0.16</td>
<td>465 / 0.06</td>
</tr>
<tr>
<td>Solution-84</td>
<td>925 / 0.20</td>
<td>555 / 0.07</td>
</tr>
<tr>
<td>Solution-96</td>
<td>1075 / 0.11</td>
<td>645 / 0.04</td>
</tr>
<tr>
<td>Solution-120</td>
<td>1375 / 0.17</td>
<td>825 / 0.06</td>
</tr>
</tbody>
</table>

The Solution Ducted Hood is a functional and stylish fume hood designed to fit a multitude of laboratory applications. The streamlined posts and radiused airfoil, along with a 36-inch high viewing area offers a softer look than conventional fume hoods. This hood is applicable in both CV and VAV designs. All hood services are offered on the outsides of the hood, providing a safer work environment for any project.
**Standard Accessories**

**Liner Material**
- Poly Resin (Standard)
- 304 Stainless Steel
- 316 Stainless Steel
- PVC
- PTFE
- Special

**Service Type**
- Ball Valve w/ Lever
- Needle Valve w/ Four-arm
- Front Mount Valve w/ Four-arm

**Base Cabinet Options**
- Corrosive Cabinet
- Flammable Cabinet
- Vacuum Pump Cabinet
- Hood Base Frame
- Sink Base Cabinet

**Work Surface Material**
- Black Epoxy (Standard)
- Type 304 Stainless Steel
- Type 316 Stainless Steel
- *Other Colors available

**Fittings & Fixtures**
- Alarm 500
- Alarm 1000
- VAV (Cutout Only)

**Cupsink Options**
- 3” x 6”
- 3” x 9”
- 1/4” Raised Rim
- No Cupsink

**Blower Switch**
- 120V GFI Duplex

**Light Switch**
- 120V GFI Duplex

*Many other options available. Please contact AMS for specific applications*
The Solution Work Station was designed to allow 360 degree viewing for undergraduate teaching labs. The SWS maximizes ambient light throughout the hood for optimal demonstration and ease of access. All plumbing fixtures are front loaded valves and are within arms reach for a safer environment. In addition, this hood has the flexibility necessary to allow back-to-back or side-by-side configurations if necessary.
Standard Configurations

- Full Frame Construction
- Chain & Sprocket Shaft Drive Sash
- UL1805 Listed
- Flush Mount Airfoil
- LED Lights
- Full Frame Construction
- Powder Coated Finish
- Optimal Interior Work Depths
- Knock Down

**Electrical Junction Box**

**Removable Front Access Panel**

**7/32" Clear Laminated Safety Glass**

**Sash Stop @ 18" Release Button**

**120V GFI**

**Painted Steel Flush Airfoil/Trough**

**Glass Options:**

**Option 1:** 7/32" Clear Laminated Safety Glass Rear Panel

**Option 2:** Powder Coated Steel Rear Panel

**Option 3:** Polyresin UL Listed (White) Rear Panel

**69 1/4" Hood Height w/ Counter Top**

**69 3/8"**

**20" Enclosure**

**20" Enclosure**

**Electrical Junction Box**

**13 1/4"**

**6 1/4"**

**34"**

**11/4"**

**7"**

**427"**

**612.0x792.0**

**Option 1:** 7/32" Clear Laminated Safety Glass Rear Panel

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**6 1/4"**

**34"**

**11/4"**

**7"**

**427"**

**612.0x792.0**
Counter Top Configurations

SWS 30" Countertop Depth

Transitional Duct Collar

Solution Fume Hoods offer an optional Transitional Duct Collar, primarily used on, but not limited to, 7ft. or larger Fume Hoods. Many more options are available.
The Solution Work Station (SWS) is a bench mounted, ducted fume hood designed to allow 360 degree viewing. The 7/32 clear, laminated safety glass side panels protects students and on-lookers while giving them a clear view of the processes inside. Also included are two LED bulbs to make sure your experiments are clearly illuminated for all to see.

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</table>

The SWS fume hood has a 37.5” hood opening for the taller equipment that might need to be placed in the hood.

Front load valves and outlets within arms’ reach are standard so no need to put your head inside the hood to access plumbing fixtures.
Fixtures
- Alarm 500
- Alarm 1000
- VAV (Cutout Only)

Service Fittings
- Air
- Gas
- Water

(Optional) 120V GFI Duplex
or
(Optional) Light Switch

Push-Button Sash Release

Base Cabinet Options
- Acid Cabinet
- Flammable Cabinet
- Vacuum Pump Cabinet
- Hood Base Frame
- Sink Base Cabinet

Work Surface Material
- Black Epoxy (Standard)
- Type 304 Stainless Steel
- Type 316 Stainless Steel
*Other Colors available

Service Type
- Ball Valve w/ Lever
- Needle Valve w/ Four-arm
- Front Mount Valve w/ Four-arm

Cupsink Location
- 3" x 6"
- 3" x 9"
- 1/4" Raised Rim
- No Cupsink

* Many other options available. Please contact AMS for specific applications
These reproductions of the standard colors may vary from actual finished products. If color match is critical, actual samples on metal can be supplied upon request. Special match colors can be supplied when specified. Please contact the Air Master Systems Corporate Office for pricing information.