



## Crossdraft Paint Booth – Nut and Bolt Assembly – Pre-Punched Panel Flanges

Thank you for the opportunity to work with you on your paint booth project. Below you will find specifications and descriptions of our standard equipment. Our goal is to provide you with the best combination of equipment for your specific application. In addition to the items listed below we can customize any portion of your paint booth. As part of our service to you we will co-ordinate our information with your Architects, Engineers, and General Contractors.

### Crossdraft Paint Booth - Model # ACD-26-SB

<u>Dimensions:</u>	<u>Interior</u>	<u>Exterior</u>
Width:	14'-0"	14'-6"
Height:	9'-0"	9'-2" (plus exhaust fan)
Depth:	26'-0"	26'-4"

#### Scope:

Air flows through the filtered product entry doors through the work area and exits through the exhaust plenum located at the rear of the booth. Filtered exhaust air is drawn through the exhaust plenum and discharged upward into the atmosphere through the exhaust stacks.

#### Construction Features:

##### Panels – Nut and Bolt – Holes Pre-Punched on 6” Centers for Sure Panel Alignment:

- Panels are fabricated from 18-gauge prime quality G-90 galvanized steel. Panels are fastened together with 5/16” nuts and bolts for maximum rigidity and ease of assembly. Holes are precision CNC punched on 6” centers, this leads to true panel alignment and rigidity over time compared to using sheet metals screws. It costs us more to CNC punch the holes but you will appreciate it as you assemble your booth and as time passes. Sheet metal screws tend to loosen over time, they also require using “C” clamps to attempt to align the panels. Pre-punched holes assure true panel alignment.

##### Illumination – 10 Light Fixtures – Inside Access – Sealed and Gasketed – Includes Tubes:

- Lighting is provided by 48” long, 4-tube, 32 watt, T-8, fluorescent type fixtures. Fixtures are Inside Access rated for Class I Div. II Groups A, B, C, and D Class II Div. II Groups F & G. All fixtures are ETL listed and approved for their intended use and placement. Fixtures are supplied with dual ballasts to accept either 120V or 277V power. Ballasts carry a 5 year limited warranty.

#### Filtration:

- Intake air filters: Rated by UL as Class 2 and are EPA registered as environmentally safe. Filters are self-supporting in an internal frame sized 20" x 20" x 1". One set of filters will be supplied.
- Exhaust air filters are fiberglass paint arrestor pads made specifically for the collection of paint over spray. These filters are UL rated as Class 2. A filter holding grid is provided for each filter cell. This unit is provided with one set of filters and one manometer.

**Exhaust – 12,600 C.F.M. Standard:**

- Tube axial type duct fan(s) specifically designed and constructed for use in paint spray booths and similar applications is provided for exhaust. A precision balanced, fabricated, aluminum non-sparking fan blade moves the air through the fan. Bearings are permanently lubricated and mounted in rubber isolators for smooth operation. The motor, drive and bearings are isolated from the exhaust air stream. This unit will utilize one (1) 30" diameter fan driven by a 3 HP motor (208/230/460V/3PH/60HZ), operating at 12,600 SCFM at ½" static pressure.

**Product Doors:**

- One (1) set of filtered product entry doors shall be provided. The doors are skinned with an 18 Ga. galvanized steel sheet, sealed to the frame, and welded in place. These doors are provided with a closed cell foam rubber weather stripping seal about the perimeter and a neoprene rubber sweep seal at the threshold. The mounting hardware provided includes a panic type safety latch and four 9" door pulls. These shall be double doors having a clear opening of approximately 9'-0" wide by 8'-10" tall.

**Personnel Access Door with Window:**

- Personnel access doors are provided as a double wall 18-gauge galvanized steel unit sized at 36" x 84" and is provided pre-hung in a heavy gauge steel frame ready for mounting to the spray booth. The mounting hardware includes a panic type safety latch and two 6" door pulls.

**Exhaust Ducting Package for 16 ' Roof:**

- 1 - Auto Damper Stack Head
- 2 - 3' Sections Plain Pipe
- 1 - 3' Section w/ Cleanout Door
- 1 - Duct Connecting Rings
- 1 - Roof Flange and Storm Collar

**Controls:**

- 1 - Light Switch
- 1 - Exhaust Fan On-Off Switch
- 1 - 3 H.P. Variable Frequency Drive for Exhaust Fan Speed Control
- 1 - Square "D" Fused Disconnect/Breaker

**Pricing Summary – Automotive Crossdraft Paint Booth**

	Description	Cost
1	ACD-26-SB - 14' W x 9' T x 26" D – Nut and Bolt Assembly	7,600.00
1	Paint Gun Air Lock Out Solenoid Valve – Required by Code	Included
1	Upgrade to Inside Access Sealed and Gasketed Light Fixtures	Included
1	Variable Frequency Drive for Exhaust Fan Speed and Air Volume Control	Included
2	On-Off Switches for Lights and Exhaust Fan	Included
1	Square “D” Fused Disconnect / Breaker	Included
	<b>OPTIONS</b>	
1	Exhaust Duct Package for a 16' Roof	850.00
1	Tri-Fold Entry Doors with Windows	400.00
1	Powder Coat Booth	1,800.00
1	Drive Though Booth – Entry Doors at Each End	2,500.00
1	Reverse Airflow Booth	1,600.00
1	Door Limit Switch / Explosion Proof – Required by Code in Many Areas	235.00
1	Freight - Billed at Cost	

The following may be required for your equipment but are **not** included by AEI in this proposal: Installation, freight, electrical controls wiring, piping, intake ductwork, exhaust ductwork, fire protection, taxes or permits.

**Code Compliance:**

- All AEI are designed to meet or exceed the requirements and recommendations of the National Fire Protection Association (NFPA), Standard Number 33, as well as Occupational Health and Safety Administration (OSHA) CFR 29.1910.

**Warranty:**

- AEI warrants to buyer that the equipment to be free from defects of materials or workmanship under normal use and maintenance for a period of one year.
- All components supplied but not produced by AEI shall carry the warranty of the manufacturer.

I thank you for the opportunity to submit a bid for your project and for your time and consideration. If I can be of any further assistance, please feel free to call me at any time.

Thank you,

Bill Peckham  
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## ACD-26-SB Crossdraft Paint Booth

**Panels Fabricated with G-90 Galvanized Steel**  
**Panels Flanges CNC Pre-punched on 6" Centers**  
**Assembles with 5/16" Nuts and Bolts**

- 1 . 30" Diameter Tube Axial Fan with 3 H.P. Motor 208/230/480 Volt
- 10 . Inside Access, Sealed and Gasketed, 4' Long, 4-Tube Light Fixtures
- 1 . Set of Product Entry Doors - 9'0" Wide x 8'10" Tall
- 1 . Personnel Access Door with Viewing Window - 3' Wide x 7' Tall
- 1 . Full Set of UL Class 2 Intake and Exhaust Filters
- 1 . Manometer
- 1 . Paint Gun Solenoid Lockout Valve
- 1 . Light Switch
- 1 . Exhaust Fan Switch
- 1 . 3 H.P. Variable Frequency Drive for Exhaust Fan Speed Control
- 1 . 30 Amp. Square "D" Fused Disconnect / Breaker

### Code Compliance:

All AEI paint booths are designed to meet or exceed the requirements and recommendations of the National Fire Protection Association (NFPA), Standard Number 33, as well as Occupational Health and Safety Administration (OSHA) CFR 29.1910.

