



Tornado Reverse Flow Spray Booth Model #AF141025

Dimensions:	Interior	Exterior
Width:	14'-0"	14'-4"
Height:	10'	10'-6"
Depth:	25'	26'-4"

Tornado:

Air flows in through the filter wall in the rear of the booth, passes through the booth's working area and into the exhaust chambers located in the corners on either side of the main entry doors in the front of the booth. Filtered exhaust air is drawn thru the exhaust plenums and discharged upward into the atmosphere through the exhaust stack. This booth is provided complete, with all necessary hardware to meet the applicable national requirements established by OSHA and the NFPA for paint booth construction.

Construction Features

Panels:

Panels are fabricated from 18-gauge galvanized steel precision punched on 6" centers for maximum rigidity. Panels are fastened together with 5/16" bolts/nuts and are to be sealed with the provided caulk following assembly.

Illumination:

Lighting is provided by 48" long, 4-tube, T-8, 32 watt, fluorescent type fixtures. Each is mounted behind tempered safety glass that is sealed from the interior of the spray booth with a continuous neoprene rubber gasket placed around the perimeter of the light window's opening. All fixtures are UL listed and approved for their intended use and placement. This unit will be supplied with nine light fixtures. Standard voltage is 120/277v/single-phase. Note: Light bulbs are not supplied with booth.

Filtration:

- Intake air filters rated by UL as Class 2 20"x20" and are EPA registered as environmentally safe.
- Exhaust air filters are a fiberglass paint arrestor pad made specifically for the collection of paint overspray. 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.
- A manometer is provided with the unit to monitor the filter resistance and thereby the filters life and efficiency.

Exhaust:

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

Personnel Access Door:

One double wall 18-gauge galvanized steel personnel access door sized at 30" x 84" 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 6" door pull.



Optional Exhaust Duct Package:

- 1 - Auto Damper Stack Head
- 2 - 3' Sections Plain Pipe
- 1 - 3' Section of Plain Pipe with Cleanout Door
- 1 - Duct Connecting Ring
- 1 - Roof Flashing with Storm Collar for pitched or flat roof as requested

The following may be required for your equipment but are **not** included by A-Frame in this proposal (unless specifically quoted): Installation, wiring, plumbing, fire protection, taxes and permits.

Code Compliance:

All A-Frame Spray Booths are designed to meet or exceed the requirements and recommendations of the National Fire Protection Association (NFPA), Standard Number 33 dated 2000, as well as the Occupational Health and Safety Administration (OSHA) CFR 29.1910.107 covering the operation and construction of spray booths.

Warranty:

A-Frame Spray Booths warrants to buyer that the equipment to be free from defects of materials or workmanship under normal use and maintenance for a period of two years. All components supplied but not produced by A-Frame Spray Booths shall carry the warranty of the manufacturer.