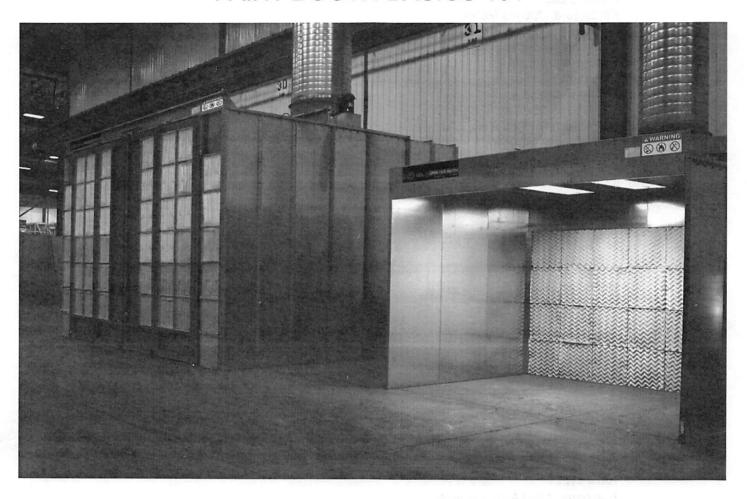


DRY FILTER PAINT BOOTH BASICS 101



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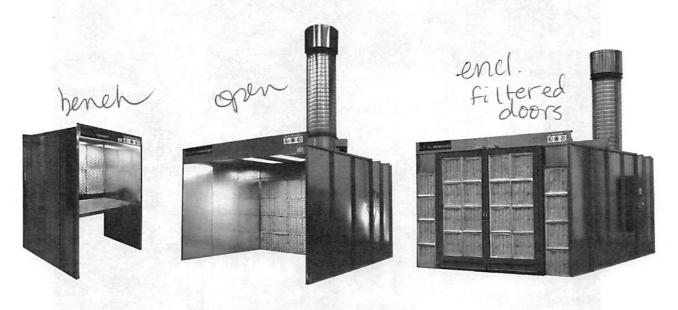
Rev. March 2019

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Vision & Scope

- Pre-engineered options
- Diverse customer base
- Code compliant



What Does This Mean for the Customer?



Open Face/Conveyor Opening Air Velocity

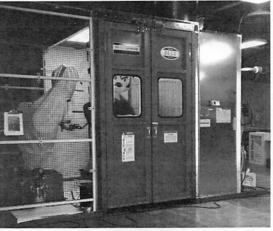
Into the paint booth through all openings:

· No less than 100 FPM

For fixed or automated electrostatic spray application:

No less than 50 FPM





Product Features

AIRFLOW

100 FPM (Crossdraft)

CONSTRUCTION

- 18-gauge galvanized steel
- Single-skin horizontal panels
- Formed 12-gauge galvanized steel beam support (12 feet and wider)

LIGHTING

- 4-tube fluorescent with T8 ballasts
- · Color-corrected tubes

DOORS

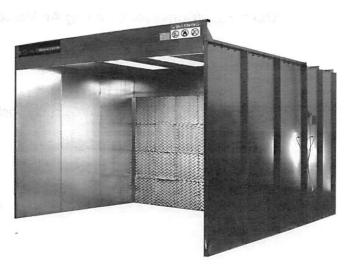
- Swing doors
- Personnel doors
- · Friction-style door latches

SAFETY EQUIPMENT

- Manometers
- Air solenoid valves
- · Limit switches option (not rg. on non-pressurized unless space calls)

FANS AND MOTORS

- Tube axial exhaust fans
- TEFC 3-phase motors



Optional Upgrades

CONSTRUCTION

- · White pre-coated panels
- Plain or spiral ductwork

FANS AND MOTORS

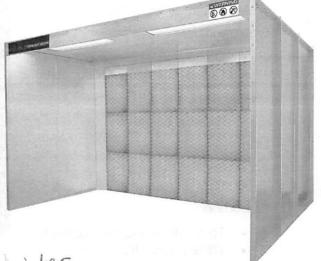
- · Rear wall-mounted exhaust fan
- · Air proving switch

LIGHTING

- · Six-tube fluorescent with T8 ballasts
- . IEC
- · Light reflectors makes them brighter

DOORS AND WINDOWS

- Swing-type product and access doors
- · Bifold doors
- · Booth observation wall window kit



Custom Options

SIZE

· Depth, width and height

CONSTRUCTION

- · Crane slots or conveyor openings
- Conveyor or monorail supports

CHAMBER AND BRIDGE

External bridge

LIGHTING

• T5

FILTRATION

- · Three-stage and roll filter media
- · White painted filter racks

ACCESSORIES

Platforms, stands and railings

OTHER

- · Sliding and trifold doors
- Ductwork losses
- Seismic construction



90° €1/20W = 1' SP 45° e1/20W = 1/2" SP

Models & Sizes

Booth Type	Bench	Open Face	Enclosed Finishing Product Door 260		
Design Feature	Tabletop	No Product Door			
Number of Models	6	260			
Width	3', 4', 5', 7'	6', 8', 10', 12', 14', 16', 18', 20'	6', 8', 10', 12', 14', 16', 18', 20'		
Length	2', 3'	6', 8', 9', 10', 12'	6', 8', 9', 10', 12'		
Height	4'	7', 8', 10', 12'	7', 8', 10', 12'		
Max Lead Time (business days)	5-7	10-15	15-20		

Features & Options

Standard Equipment = Not Available = Blank Cell	OPEN FACE BOOTH	ENCLOSED FINISHING BOOTH	BENCH BOOTH		
	Non-Pressurized	Non-Pressurized			
Booth Dimensions					
re-Engineered Sizes:					
Available Widths (ft)	6', 8', 10', 12', 14', 16', 18', 20'	6', 8', 10', 12', 14', 16', 18', 20'	3', 4; 5', T'		
Available Heights (ft)	7', 8', 10', 12'	7', 8', 10', 12'	4		
Available Depths (ft)	6', 8', 9', 10', 12'	6', 8', 9', 10', 12'	2ft on 3ft width, 3ft depth on 4ft-5ft-7ft widths		
Air Flow Design			2.1 on six main, six depth on 41six-rit matins		
Crossdraft (100 FPM)		/			
Product Certifications					
NFPA-33	·		PERSONAL PROPERTY OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF T		
FC Chapter 24					
Product locations Through Seismic Category C					
Static Pressure (Exhaust)	1/2"	245			
	CONTRACTOR OF THE PROPERTY OF		3/4*		
Construction: Single skin 18 guage (Booths widths 12ft - 20	oft have formed steel Cross supports)				
Galvanized		/			
Pre-Coat White Panels	Option	Option	Option		
			Орион		
input Power (Select One)			The state of the s		
120V/1PH/2W (up to 3hp max)	Option	Option	Option		
140V/1PH/3W (up to 5hp max)	Option	Option	Option		
08V/3PH/4W	Option	Option	Option		
240V/3PH/3W, 240V/3PH/4W	Option	Option	Option		
480V/3PH/3W, 480V/3PH/4W	Option	Option	Option		
500V/3PH/3W	Option	Option	Option		
	Material Principles in a constitution of the		Option		
Exhaust Chamber					
ndustrial (Top Exhaust)			Option		
ndustrial (Rear Exhaust - Increased Fan Static Pressure Includes Exhaust baffle)	Option Option		Option		
Bridge-External Top - Increased Fan Static Pressure (sold back or drive thru)	N/A	Option (Limited Sizes: 10x08, 10x10, 10x12, 12x08, 12x10, 12x12)	N/A		
lighting		(AA)A			
1 Tube/T8 Lighting (Min 20 foot candles average @ 3ft L.F.F.)					
Tube/T8 Lighting (25% luncreased foot candles	Option	Option	Option		
iverage)			Option		
teflector Upgrade (25% increased foot candles for 4- ube and 6-Tube lights)	Option	Option	Option		
ED Upgrade (Energy Savings - 50% watt reduction) Can Not be used with Light Reflectors)	Option	Option	Option		
Additional Ceiling Light Kits	Option (Only available on booth widths 12ft-20ft)	Option (Only available on booth widths 12ft-20ft)			

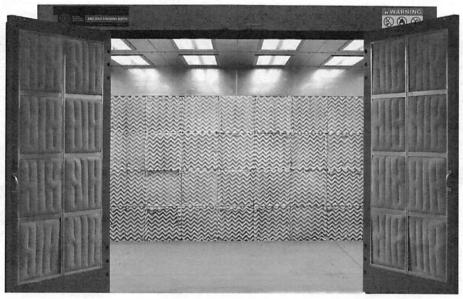
Features & Options

	OPEN FACE BOOTH	ENCLOSED FINISHING BOOTH	BENCH BOOTH		
Doors (Enclosed Booths Only)					
Swing Type (Filtered) (Full height(N/A	Option: Full Width (6ft-8ft & 10ft booth widths) Option: Width -4ft (12ft & 14ft booth widths)	N/A		
Tri-Fold (Filtered) (Full height)	N/A	Option: Width -4ft (16ft width only)	N/A		
BI-Folding (Filtered) (Fill height)	N/A	Option: (18ft and 20ft width booths)	NIA		
Drive Thru Door - Solid Swing Type (Only available with bridge exhaust option - Limited sizes available)	NIA	Option: (Width -4ft) (Limited Sizes: 10x08, 10x10, 10x12, 12x08, 12x10, 12x12)	N/A		
Personnel Door w/ 18" x 24" Observation Window & Panel Kit	Option	Option	N/A		
Limit Switches (Man Doors & Product Doors)	Option (Mandoor Only)	Option	N/A		
THE RESERVE AND A STREET OF THE STREET					
Control Panel			O. H. L.		
Electro-Mechanical (CP-BNP)	Option	Option	Option		
Manual VFD	Option	Option	Option		
Consta-Flow	*Option	*Option	*Option		
*Economy Mode (only available with Consta-Flow) Select Airflow switch or Gun hanger Switch)	Option	Option	N/A		
AMU Interlock	Option	Option	Option		
		The state of the s	DESCRIPTION OF THE PERSON NAMED IN		
Companents					
iolenoid Air Valve (1/2" Standard or Optional Upgrade to (/4")		*	16.5		
Door Limit Switches	Option	Option			
Roll Media Filter (includes hangers and filter media)	Option	Option	Option		
Observation Window Kits 18"x24" (Field Install)	Option	Option	N/A		
an Stand (roof mounted)	Option	Option	Option		
fotor Cover (roof mounted)	Option	Option	Option		
Explosion Proof Motor Upgrade	Option	Option	Option		
Dirty Filter Shutdown	Option	Option	Option		
Air Proving Switches (1 per exhaust fan)	Option	Option	Option		
Exhaust Ductwork *(Kit is created per Building Roof Height - Kit In					
Plain Pipe or Spiral Pipe	Select Type	Select Type	Select Type		
6ft Above Roof Height	Configurable Option	Configurable Option	Configurable Option		
*10ft Above Roof Height	Configurable Option	Configurable Option	Configurable Option		
1 1/2 time Roof Height	Configurable Option	Configurable Option	Configurable Option		
Duct Guy Wire Kit	Option	Option	Option		

Lighting

- Class I, Division 2 inside-access light fixtures
- Strategically placed
- Precise, complete lighting for minimal shadows



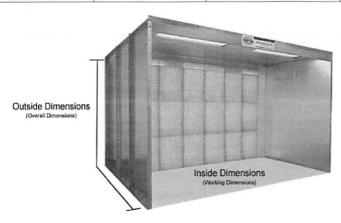


Determining Booth Size

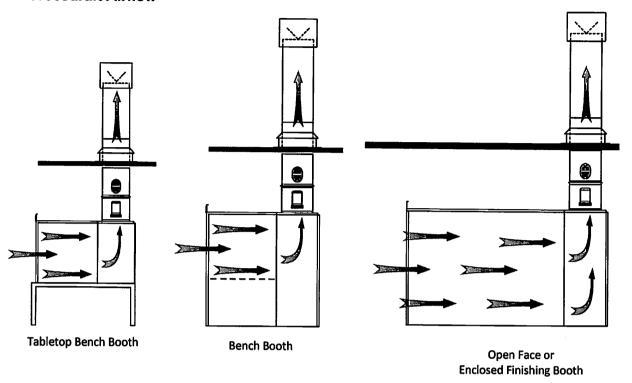
- Outside dimensions are always larger than the inner work area
- Allow:
 - 3 feet on both sides of part
 - 3 feet above part
 - 3 feet between front of part and front of booth

OPEN FACE BOOTH MODELS

Model No.	Inside Dimensions		Outside Dimensions		Exhaust Fan			No. of		
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM	Lights
6 Ft. Wide Booths		SERVICE .								
DFOCG-060706-NSB-1L	6'	7'	6'	6' 4"	7' 10"	9'2"	24	1	4200	1
DFOCG-060708-NSB-1L	6'	7'	8'	6' 4"	7' 10"	11'2"	24	1	4200	1
DFOCG-060709-NSB-1L	6'	7'	9'	6' 4"	7' 10"	12' 2"	24	1	4200	1
DFOCG-060710-NSB-1L	6'	7'	10'	6' 4"	7' 10"	13' 2"	24	1	4200	1
DFOCG-060712-NSB-2L	6'	7'	12'	6' 4"	7' 10"	15' 2"	24	1	4200	2
DFOCG-060806-NSB-1L	6'	8'	6'	6' 4"	8' 10"	9'2"	24	2	4800	1
DFOCG-060808-NSB-1L	6'	8'	8'	6' 4"	8' 10"	11'2"	24	2	4800	1
DFOCG-060809-NSB-1L	6'	8'	9'	6' 4"	8' 10"	12' 2"	24	2	4800	1
DFOCG-060810-NSB-1L	6'	8'	10'	6' 4"	8' 10"	13' 2"	24	2	4800	1
DFOCG-060812-NSB-2L	6'	8'	12'	6' 4"	8' 10"	15' 2"	24	2	4800	2
DFOCG-061006-NSB-1L	6'	10'	6'	6' 4"	10' 10"	9'2"	24	2	6000	1
DFOCG-061008-NSB-1L	6'	10'	8'	6' 4"	10' 10"	11'2"	24	2	6000	1
DFOCG-061009-NSB-1L	6'	10'	9'	6' 4"	10' 10"	12' 2"	24	2	6000	1
DFOCG-061010-NSB-1L	6'	10'	10'	6' 4"	10' 10"	13' 2"	24	2	6000	1
DFOCG-061012-NSB-2L	6'	10'	12'	6' 4"	10' 10"	15' 2"	24	2	6000	2
DFOCG-061206-NSB-1L	6'	12'	6'	6' 4"	12' 10"	9'2"	30	3	7200	1
DFOCG-061208-NSB-1L	6'	12'	8'	6' 4"	12' 10"	11'2"	30	3	7200	1
DFOCG-061209-NSB-1L	6'	12'	9'	6' 4"	12' 10"	12' 2"	30	3	7200	1
DFOCG-061210-NSB-1L	6'	12'	10'	6' 4"	12' 10"	13' 2"	30	3	7200	1
DFOCG-061210-NSB-2L	6'	12'	12'	6' 4"	12' 10"	15' 2"	30	3	7200	2

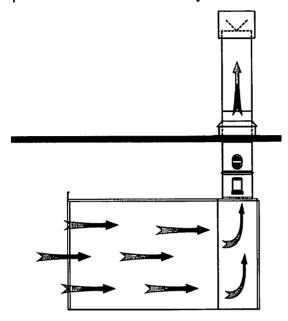


Crossdraft Airflow

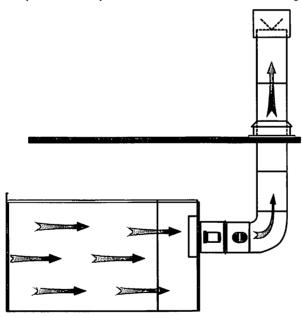


Exhaust Chamber

Top exhaust is standard on all Dry Filter Booths



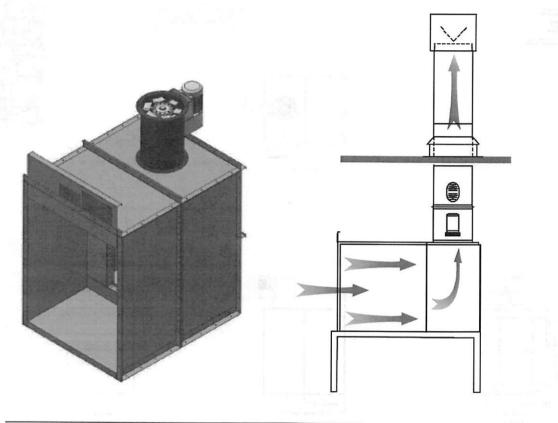
Rear exhaust is optional on Open Face and Enclosed Finishing Booths



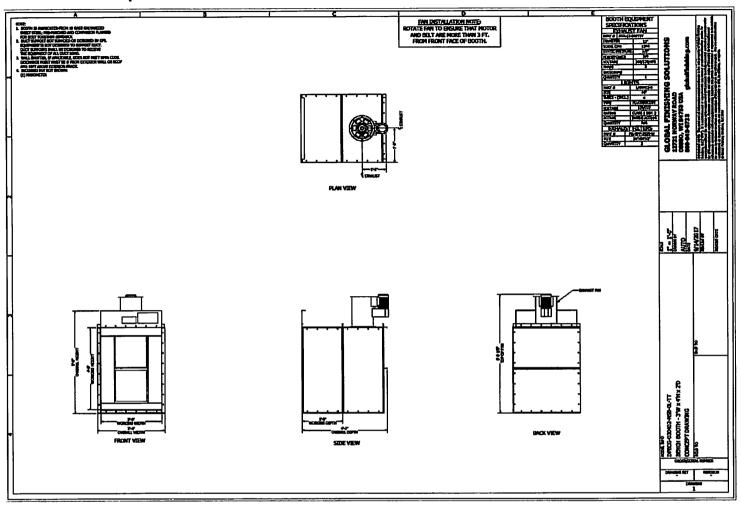
Owner Manuals

Manuals come only for standard jobs Every standard job comes with 3 manuals Installation Service and operations Control panel Same Same

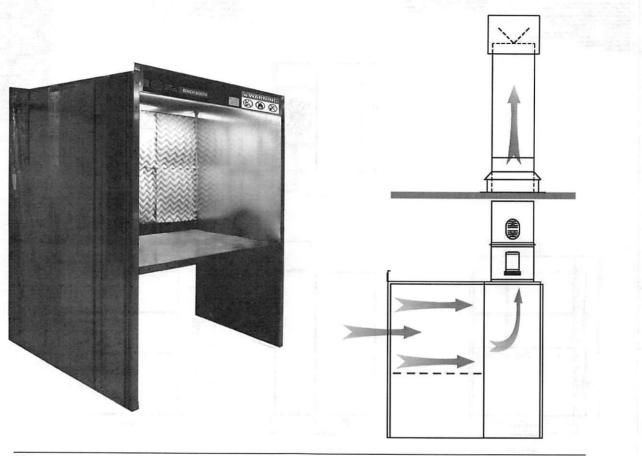
Tabletop Bench Booth



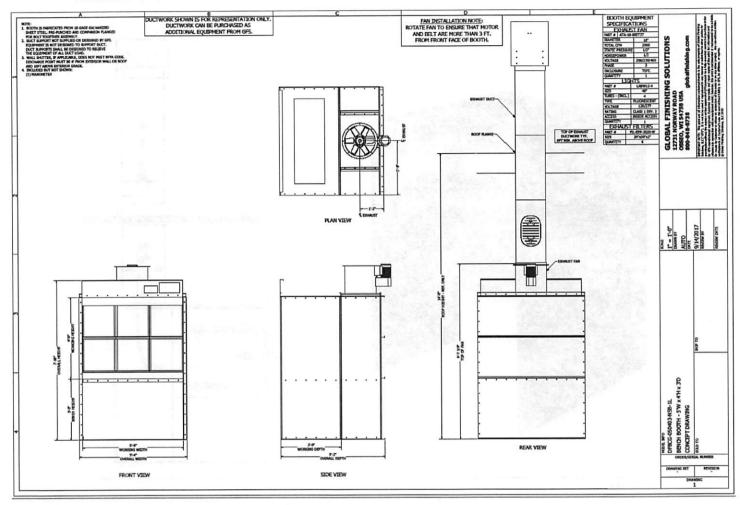
Tabletop Bench Booth



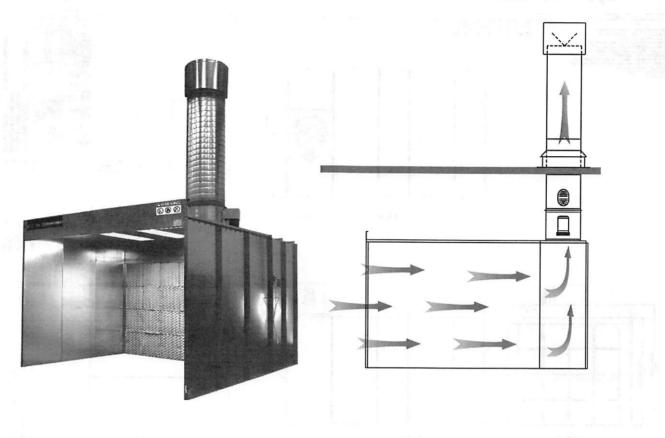
Bench Booth



Bench Booth



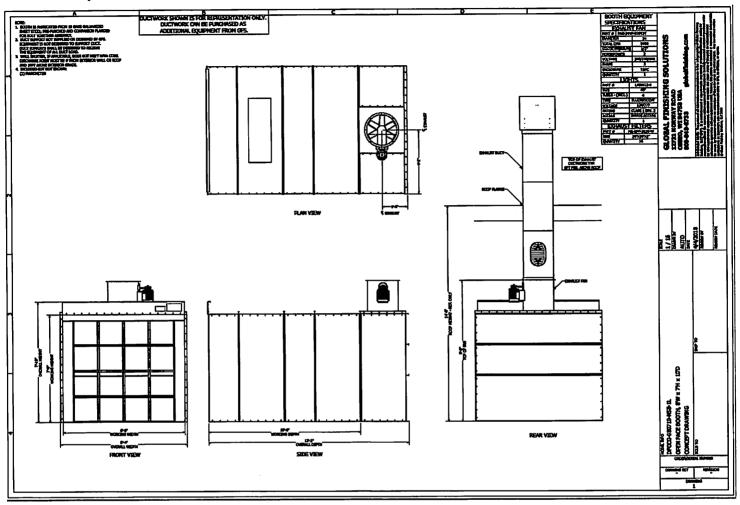
Open Face Booth



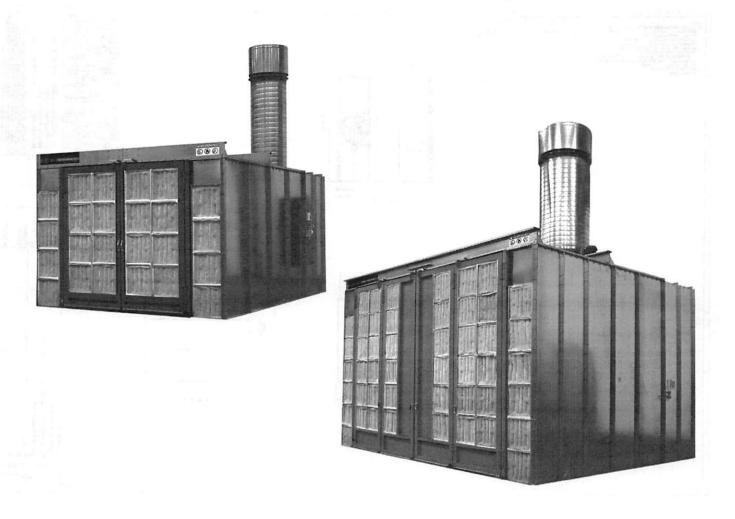
Notes

can add depth only (wx + no)

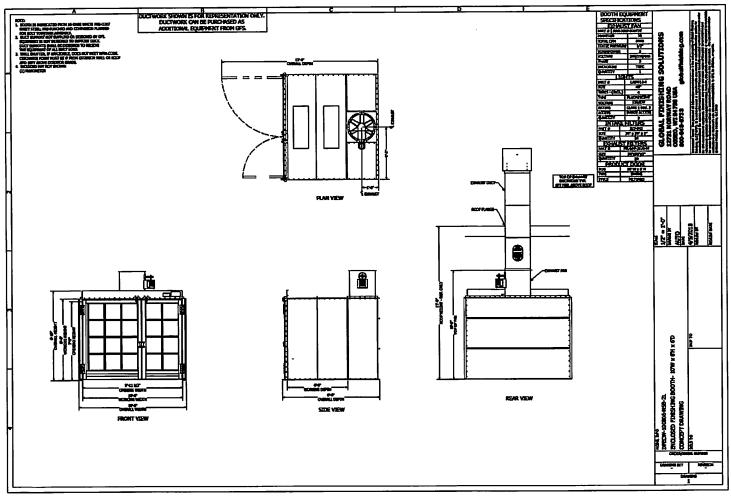
Open Face Booth



Enclosed Finishing Booth



Enclosed Finishing Booth



notes man door every 50' of Length

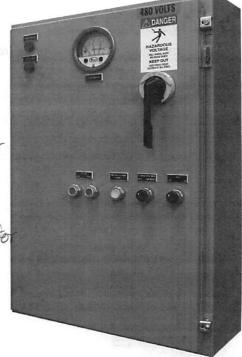
LOPTION NOT INCL!

CONTROL PANEL

CP-1 Control Panel

- Single-point power connection for easy wiring
- UL listed
- Options include manual VFD and Consta-Flow

conveyor or crane Stot regulato



AIR MAKE-UP UNITS (AMU)

AMU Types

Horizontal outdoor down discharge (roof-mounted)

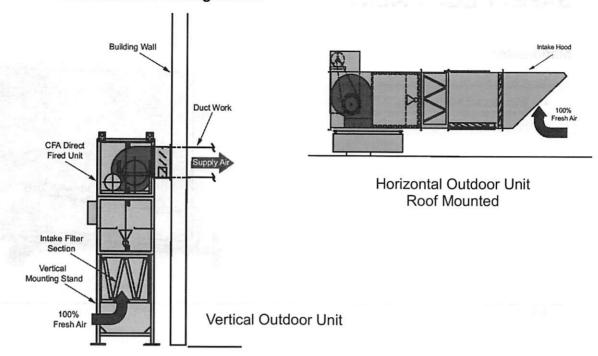


pitched of flatroof

Vertical outdoor side discharge



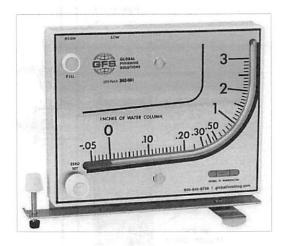
Non-Pressurized AMU Arrangements



SAFETY EQUIPMENT

Manometer

- Included with all booths
- · Monitors filter loading



Air Solenoid Valve

- Prevents spraying in the booth when fans are off or access door is open
- Required on all booths, per code
- 1/2 inch standard or 3/4 inch option



Limit Switches

- Shuts down painting when booth doors are open for user safety
- Standard on all pressurized booths
- Optional on non-pressurized booths

