

GENERAL PURPOSE

PAINT BOOTH BASICS 101



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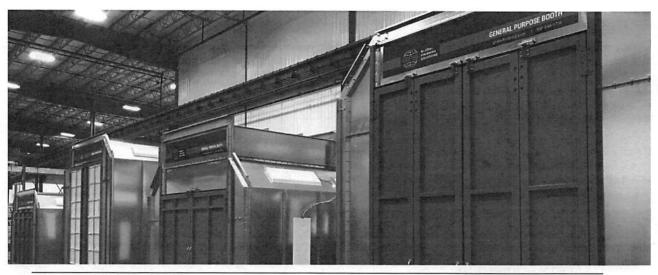
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Vision & Scope

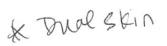
- Pre-engineered options
- Diverse customer base
- Code compliant
- ETL approved



Notes

What Does This Mean for the Customer?





Product Features

AIRFLOW

- 75 FPM (Crossdraft)
- 35 FPM (Downdraft)

CONSTRUCTION

- 18-gauge galvanized steel
- Single-skin vertical panels Dual &
- Hip-roof construction
- Formed 12-gauge galvanized steel column and beam support

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

FANS AND MOTORS

- · Tube axial exhaust fans
- TEFC 3-phase motors



Optional Upgrades

CONSTRUCTION

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

FANS AND MOTORS

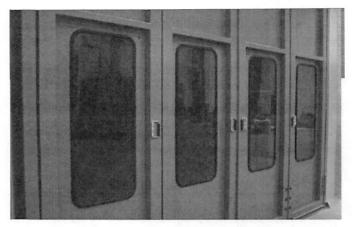
- Non-tempered intake fans
- AMU (with non-pressurized booth)
- Air proving switch

LIGHTING

- · Six-tube fluorescent with T8 ballasts
- · LED
- Light reflectors

DOORS AND WINDOWS

- · Swing-type product doors
- · Bifold doors
- Roll-up product doors
- · Observation windows in 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

- · Corner-style exhaust chamber
- External bridge
- Three-stage filtration
- · White painted filter racks

LIGHTING

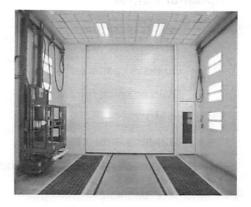
- T5
- 4 X Rear access

ACCESSORIES

· Lifts, platforms, stands and railings

OTHER

- · Sliding and trifold doors
- Ductwork losses
- Recirculation cure mode
- Seismic construction



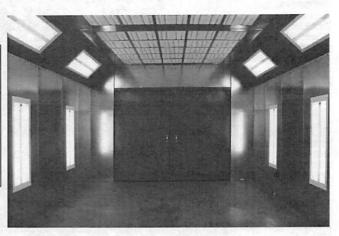




Standard GP Booth Sizes

- All models have been pre-engineered with general assembly drawings
- Other sizes available as custom options

Nidth x Height	Depth
4 feet x 10 feet	24 feet
14 feet x 12 feet	27 feet
14 feet x 14 feet	30 feet
	33 34 feet



Features & Options

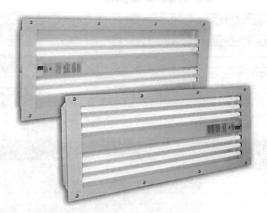
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	Internal Re			Internal Rear Bridge									Rear Bri	idge	Single Row "Floor Pit" w/1									2' High Intake Filter Plenum			_	_	Rear Bri			2 Hillord masser inter Presiden			
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Features & Options

Pressurizing Selectables								
Air Make-Up Unit		1		1				1
Direct Fire Air Make-up U	nit Selectables							
Discharge	1	1	1	1	1	1	1	1
Discharge		1		1				1
Vertical Outdoor Side Discharge	1	1	1	1	1	1	1	1
Vertical Indoor Side Discharge		1		1		1		1
Direct Fire Fuel Type	Propane or Natural Ga	Propane or Natural Gas	Propane or Natural Ga	Propane or Natural Gas	Propane or Natural Gas	Propane or Natural Gas	Propane or Natural Ga	Propane or Natural Ga
Selectable Gas Pressure	7-13" 4-28" 1-5#	7-13"14-28"1-5#	7-13" 14-28" 1-50	7-13" 14-28"1-5#	7-13"14-28" 1-5#	7-13" 14-28" 1-5#	7-13" 14-28" 1-58	7-13" 14-28" 1-54
Canadian Requirements	Option	Option	Option	Option	Option	Option	Option	Option
AMU Intake/Discharge Duct Kit								
(Optional RooffWall Flange)	Option	Option	Option	Option	Option	Option	Option	Option
Control Panel				STATE OF THE PERSON NAMED IN		THE RESERVE OF THE PERSON NAMED IN		
Basic (CP-1)	1		1		1		1	
Velocity		1		1		1		1
degree)		1		1		1		1
Manual VFD	Option		Option		Option		Option	
Consta-Flow	Option		Option		Option		Option	
Auto-Balance		1		1		1		1
Economy Mode		Option		Option		Option		Option
		270 200						100
Compontents		THE RESERVE OF THE PERSON NAMED IN	SANCE AND PROPERTY.		A COMMON TO SERVICE A SERVICE ASSESSMENT			
Solenoid Air Valve (1/2" or 3/4")	1	1	1	1	1	1	1	1
Observation Window Kits (Field Install)	Option	Option	Option	Option	Option	Option	Option	Option
Explosion Proof Motor Upgrade	Option	Option	Option	Option	Option	Option	Option	Option
Air Proving Switches (# provided					- CP-II-UI	- CPIION		
coincides with # of exhaust fans)	Option	Option	Option	Option	Option	Option	Option	Option
Exhaust Ductwork						NAME OF TAXABLE PARTY.		NAME OF TAXABLE PARTY.
Exhaust Ductwork	Configurable Option	Configurable Option	Configurbale Option	Configurbale Option	Configurbale Option	Configurbale Option	Configurbale Option	Configurbale Option
TOSE STREET THE					Sylven Service			
Warranty								
Tyr Parts Warranty	1	1	1	1	1	1	1	1

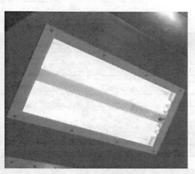
Angled Ceiling Hip Light Fixtures

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









Owner Manuals

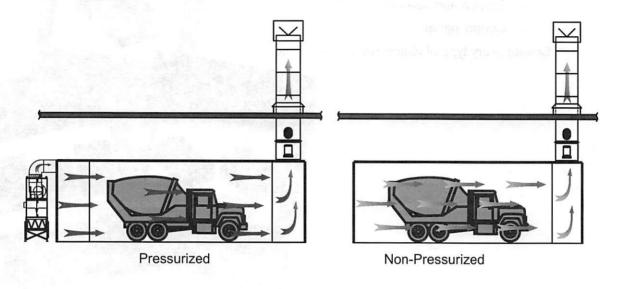
- Manuals come only for standard jobs
- Every standard job comes with 3 manuals
 - Installation
 - Service and operations
 - Control panel
- Covers every type of airflow within the GP line



CROSSDRAFT BOOTHS

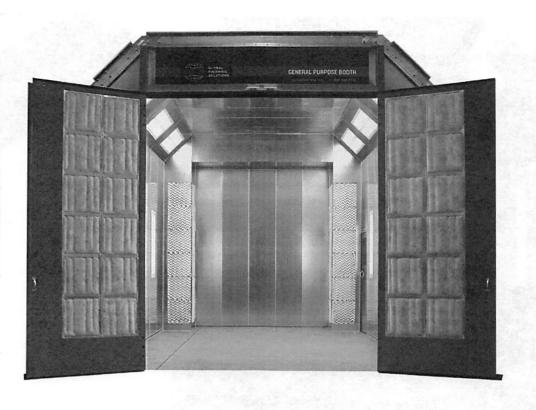
Crossdraft Airflow

Most cost-effective and most popular for industrial applications

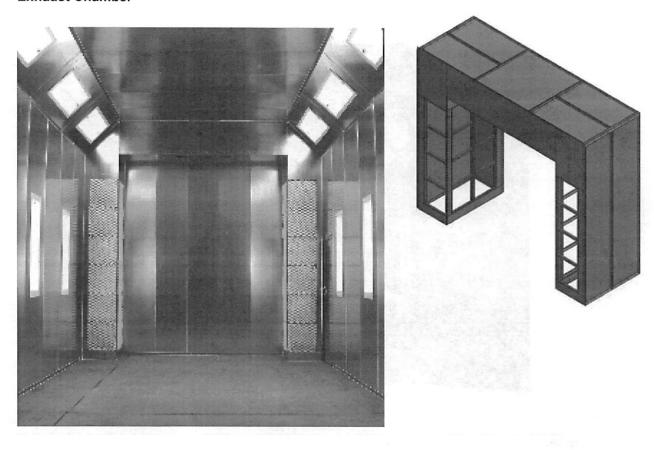


Filtered Swing Product Doors

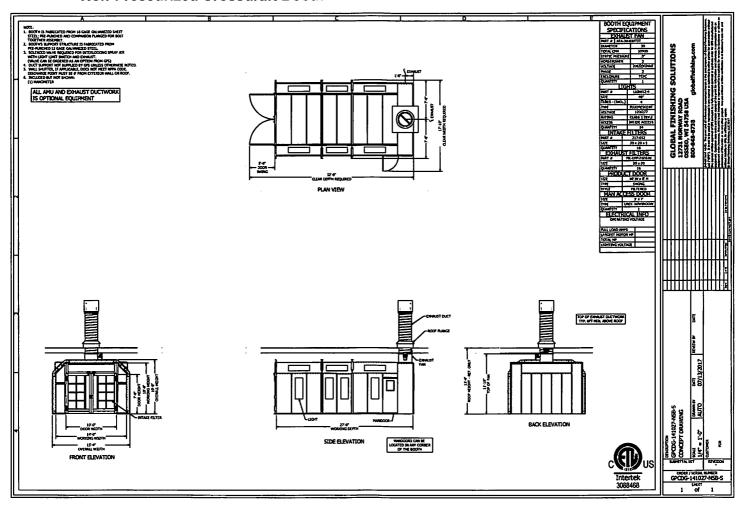
Air is introduced through filtered swing product doors



Exhaust Chamber



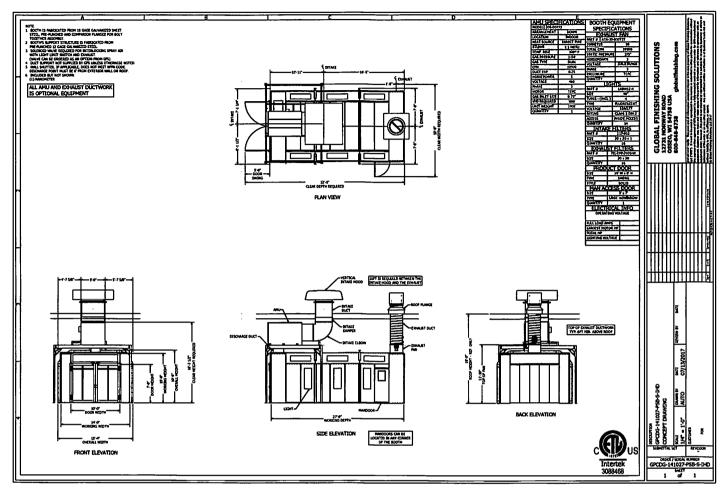
Non-Pressurized Crossdraft Booth



Pressurized Crossdraft Booth

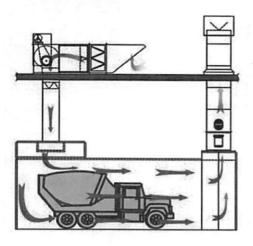
- Cleaner environment
- More consistent paint jobs with booth balancing
- Better temperature control with heated Air Make-Up Unit (AMU)
 Chamber size designed for optimal airflow and to maximize filter life

Pressurized Crossdraft Booth

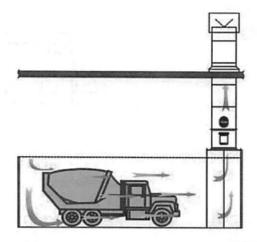


SEMI-DOWNDRAFT BOOTHS

Semi-Downdraft Airflow



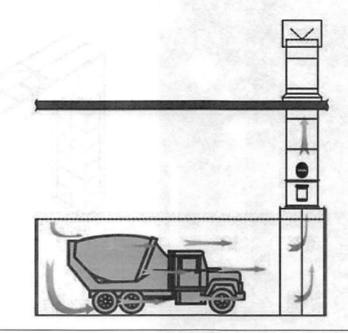




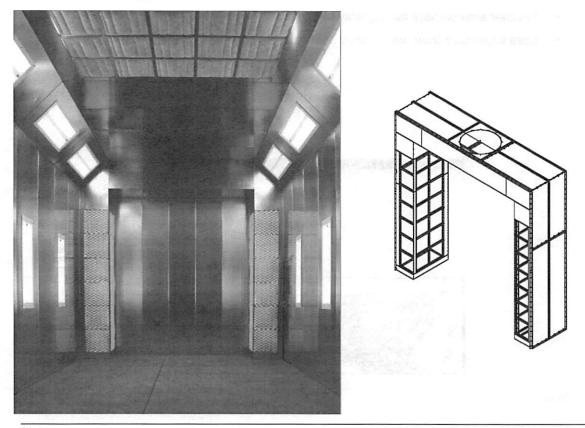
Non-Pressurized

Non-Pressurized Semi-Downdraft Booth

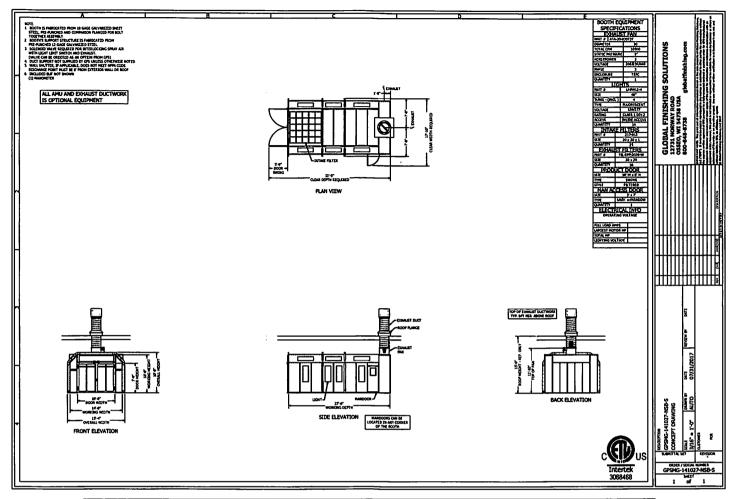
- · Cleaner environment for a quality paint job
- · Less expensive than pressurized booths



Semi-Downdraft Exhaust Chamber

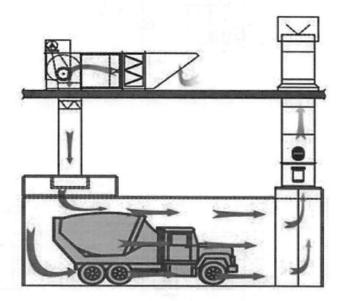


Non-Pressurized Semi-Downdraft Booth

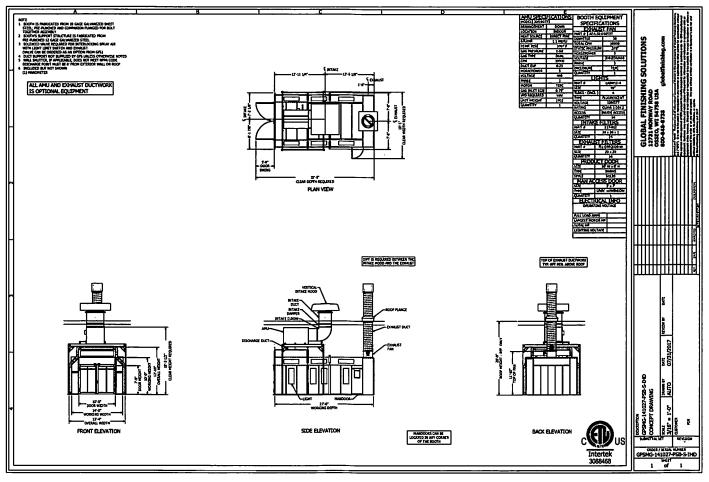


Pressurized Semi-Downdraft Booth

- · Cleaner environment
- · More consistent paint jobs with booth balancing
- Better temperature control with heated Air Make-Up Unit (AMU)



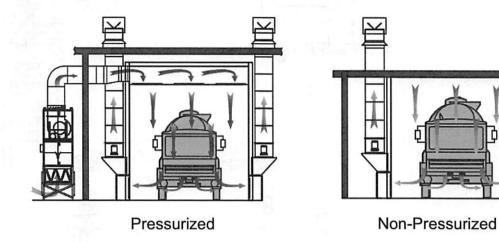
Pressurized Semi-Downdraft Booth



SIDE DOWNDRAFT BOOTHS

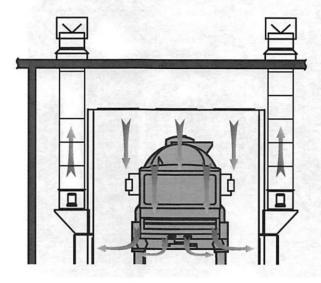
Side Downdraft Airflow

Economical solution for shops without a pit

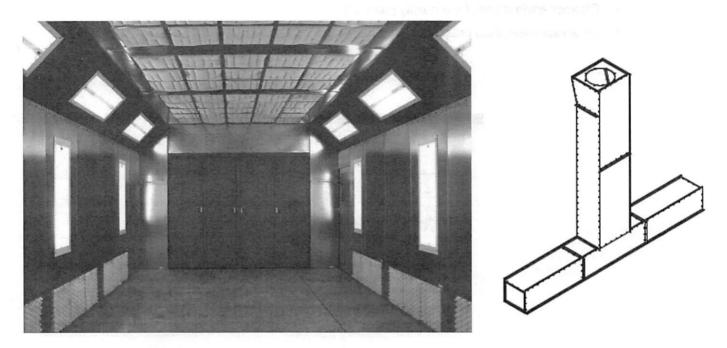


Non-Pressurized Side Downdraft Booth

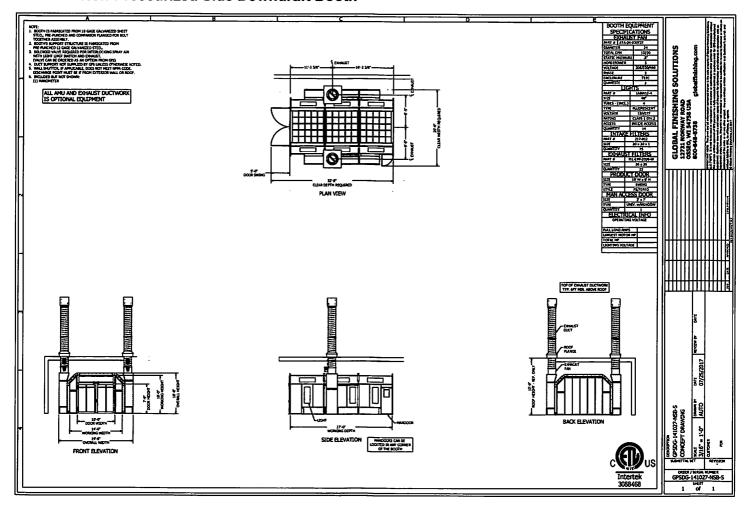
- · Cleaner environment for a quality paint job
- · Less expensive than pressurized booths



Side Exhaust Chamber

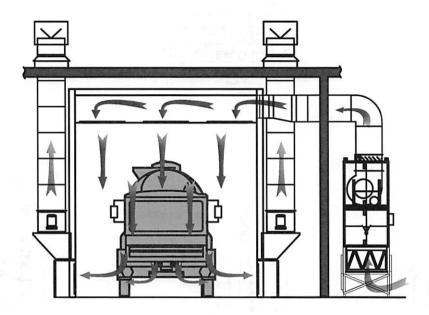


Non-Pressurized Side Downdraft Booth

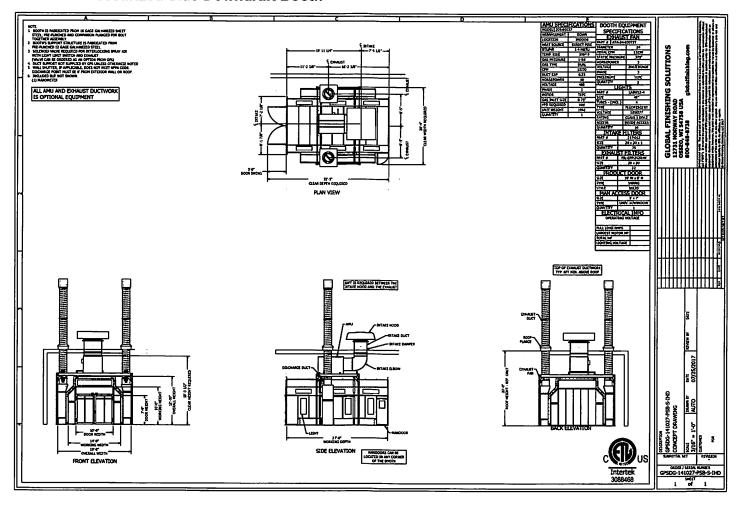


Pressurized Side Downdraft Booth

- · Cleaner environment
- · More consistent paint jobs with booth balancing
- Better temperature control with heated Air Make-Up Unit (AMU)



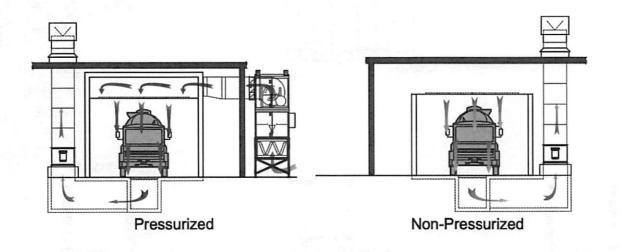
Pressurized Side Downdraft Booth



DOWNDRAFT BOOTHS

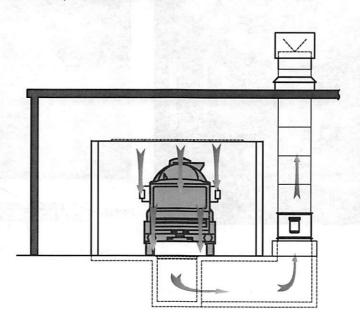
Downdraft Airflow

Best airflow style for controlling overspray and contamination

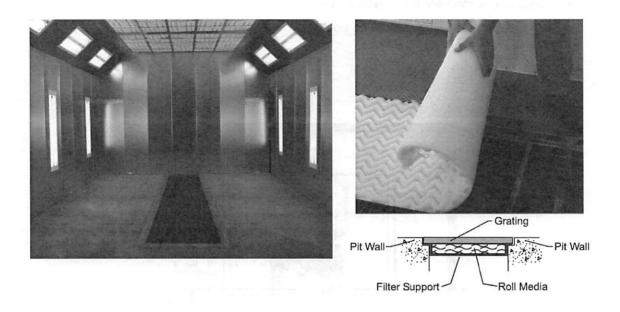


Non-Pressurized Downdraft Booth

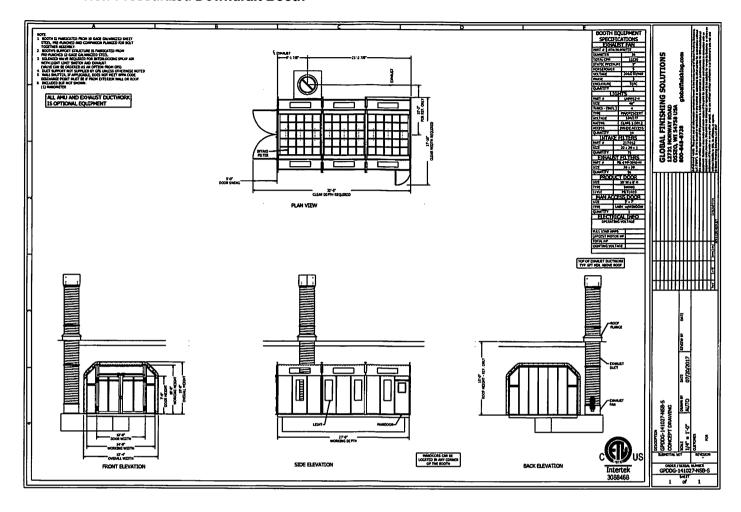
- · Cleaner environment for a quality paint job
- Less expensive than pressurized booths



Exhaust Pit

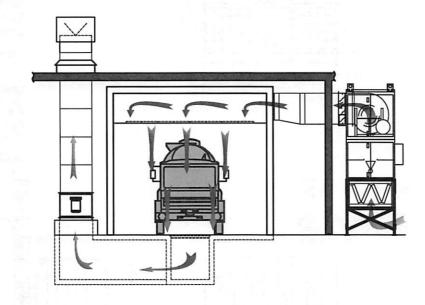


Non-Pressurized Downdraft Booth

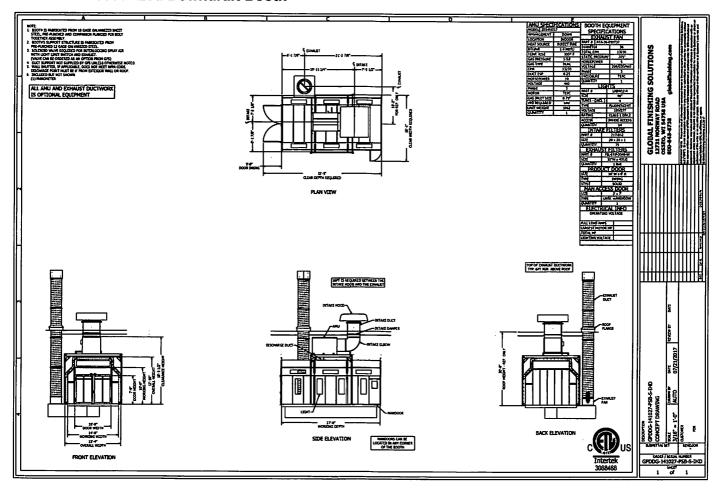


Pressurized Downdraft Booth

- Cleaner environment
- More consistent paint jobs with booth balancing
- Better temperature control with heated Air Make-Up Unit (AMU)



Pressurized Downdraft Booth



CONTROL PANELS

CP-1 Control Panel

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





Velocity Control Panel

- Color touch screen
- · Spray, flash and cure modes
- Programmable time and temperature
- Alarms and ethernet communication to AMU for enhanced troubleshooting
- Optional economy mode

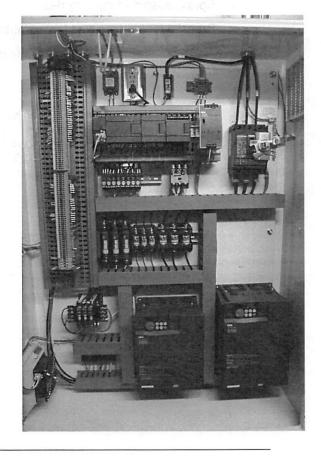
if you stop spaying turns air flowdown automaticley





Auto-Balance System

- Automatic adjusting of fan to changing conditions via VFD, pressure gauge and probes
- · Booth remains balanced even as filters load
- Increased useful filter life
- · Consistent airflow through the booth
- · Controlled booth pressure
- Cleaner paint job and spray area
- More consistent cure



AIR MAKE-UP UNITS

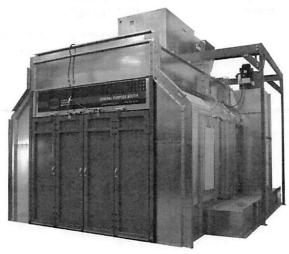
GP/RUPP Tempered AMUs

Standard Features (For pressurized booths)		nal Features n configuration)
 100-degree temperature rise VAV/VFD cure control package Direct-fired (Natural gas or propane) Selectable gas pressure Clogged filter switch Meets NFPA 86 requirements ETL listed 	INDOOR Vertical unit: • Enclosed vertical stand Horizontal Unit: • Above booth non- integrated stand	OUTDOOR Vertical unit: • Vertical stand Horizontal unit: • 24-inch curb (flat or pitched) • Hood with 2-inch cleanable filter with bird screen

Pressurized Horizontal AMU Arrangements

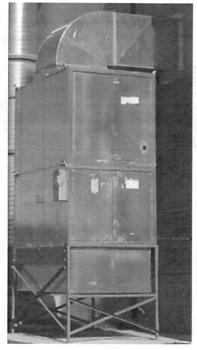


Horizontal outdoor down discharge (Roof-mounted)

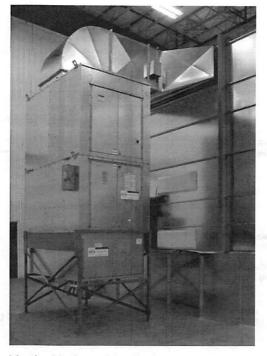


Horizontal indoor down discharge (stand-mounted)

Pressurized Vertical AMU Arrangements

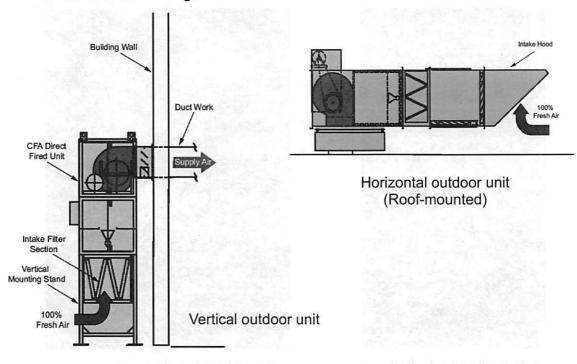


Vertical outdoor side discharge



Vertical indoor side discharge

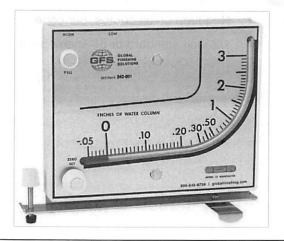
Non-Pressurized AMU Arrangements



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

