

# INDUSTRIAL PRODUCT CATALOG

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# INDUSTRIAL PRODUCT CATALOG



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# ABOUT GFS

## IN-HOUSE MANUFACTURING

All of GFS' products are fully designed and manufactured in our Osseo, Wisconsin facility. With more than 200,000 sq. ft. of manufacturing space and state-of-the-art equipment, GFS has the capability and talent to build our equipment from scratch. Virtually every part of our product line is built in-house, including the enclosures, control panels, ductwork, lights and hinges.



## CONTACTING GFS

Please contact us if we can be of assistance to you or your customers. We're prepared to help with product information, configuration options and pricing:

### PRODUCT SALES

industrial@globalfinishing.com  
fax: 715-597-8825

### TECHNICAL SERVICES

techservices@globalfinishing.com  
fax: 715-597-8818

### PARTS & FILTERS SALES

parts@globalfinishing.com  
fax: 888-338-4584

### TERRITORY SUPPORT

territorysupport@globalfinishing.com  
fax: 715-597-8825

# ABOUT GFS



## RECOGNIZED QUALITY

With roots in the finishing industry dating back more than 130 years, Global Finishing Solutions is experienced at designing and building state-of-the-art paint booths and finishing equipment that exceed expectations. Businesses of all sizes and industries continue to come back to GFS for consistent, quality equipment.

## RESEARCH & DEVELOPMENT

GFS is dedicated to continuous improvement and developing industry-leading products and technologies. As such, we have invested in our Center for Excellence, a building dedicated to research, development and training. The Center for Excellence allows GFS to complete rigorous validation processes, ensuring that our products meet quality, budget and time frame requirements.

## CODE REQUIREMENTS

GFS manufactures and designs paint and finishing equipment to meet applicable industry codes and standards. Please be aware that local requirements may vary from national codes. GFS recommends consulting local authorities before purchasing paint or finishing equipment.

- Reference NFPA 33 and Chapter 24 of the International Fire Code (IFC) for spray applications using flammable and combustible materials
- Reference NFPA 86 and Chapter 30 of the IFC for curing and drying applications
- Many components and product lines are ETL and ETL-C listed. The ETL or ETL-C mark is proof of compliance with North American safety standards, including UL, NFPA, OSHA and more
- A UL or CUL listing verifies that Underwriters Laboratories has tested GFS' product and determined that it meets their stringent safety and performance requirements

For details regarding installation, electrical wiring, conduit, air piping, roof penetration and automatic fire suppression, please contact your GFS Industrial Sales Representative.

## GFS SPECIFICATION & COMPONENT DISCLAIMER

All designs specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is informative in nature and shall not be construed to warrant suitability of the unit for any particular purpose as performance may vary with the conditions encountered.

# SELECTING A BOOTH



Use the following guidelines to help you determine the best size booth for your needs:

- **Interior Width:** Add 5 ft. to the width of the largest item that will be placed in the booth (include fixture or pallet size).
- **Interior Height:** Add 2 ft. to the height of the largest item that will be placed in the booth (include fixture or pallet size).
- **Interior Depth:** Add 5 ft. to the depth of the largest item that will be placed in the booth.

## ADDITIONAL SIZING CONSIDERATIONS

Global Finishing Solutions' Sales and Design departments ensure that the booth and shop are configured to best accommodate the customer's painting and finishing needs. The following items must be considered when determining booth size, location and configuration:

- **Square Footage:** Ceiling heights and floor space must be sufficient to accommodate the booth's exterior dimensions as well as the dimensions of other product offerings, such as Paint Mix Rooms, Dust Collection or Hazardous Material Storage Buildings.
- **Shop Height:** GFS recommends that you allow 3 ft. between the top of the booth and the shop ceiling to allow space for maintenance, installation and an exhaust fan, if they are positioned at the top of the booth.  
Note: Outdoor Large Equipment Booths are available for locations with limited shop space.
- **Maneuvering Vehicles and Equipment:** Depending on the floor layout and sizes of the products being painted or finished, it may be difficult to move product into and out of the booth. Make sure there is sufficient space to move around corners and approach the product doors straight on.
- **Bridge Chambers with Solid Doors:** The booth opening dimensions are decreased by 2 ft. in height and 4 ft. in width on a booth with a bridge chamber. Take this into account when determining booth and door size.
- **Door Swing Range:** Allow for sufficient space for filtered or solid swing doors to open fully to allow product entrance. If space at the front or rear of the booth is limited for product entry and/or exit, bi-fold, tri-fold, sliding and roll-up doors are available as options on GFS Large Equipment and General Purpose Booths.
- **Conveyor:** Width must be sufficient to allow finishers to complete their operation within the allotted time. Spraying should not be completed less than 2 ft. from the conveyor opening.

## INDUSTRIAL PRODUCT CONFIGURATOR TOOL

To simplify the product ordering process, Global Finishing Solutions has implemented a new quote and configuration tool. This tool provides a more streamlined ordering process, differentiates between pre-engineered products, options and custom offerings, and delivers insight into the costs of product upgrades and lead times. For details regarding the Industrial Product Configurator Tool, please contact your GFS Industrial Sales Representative.

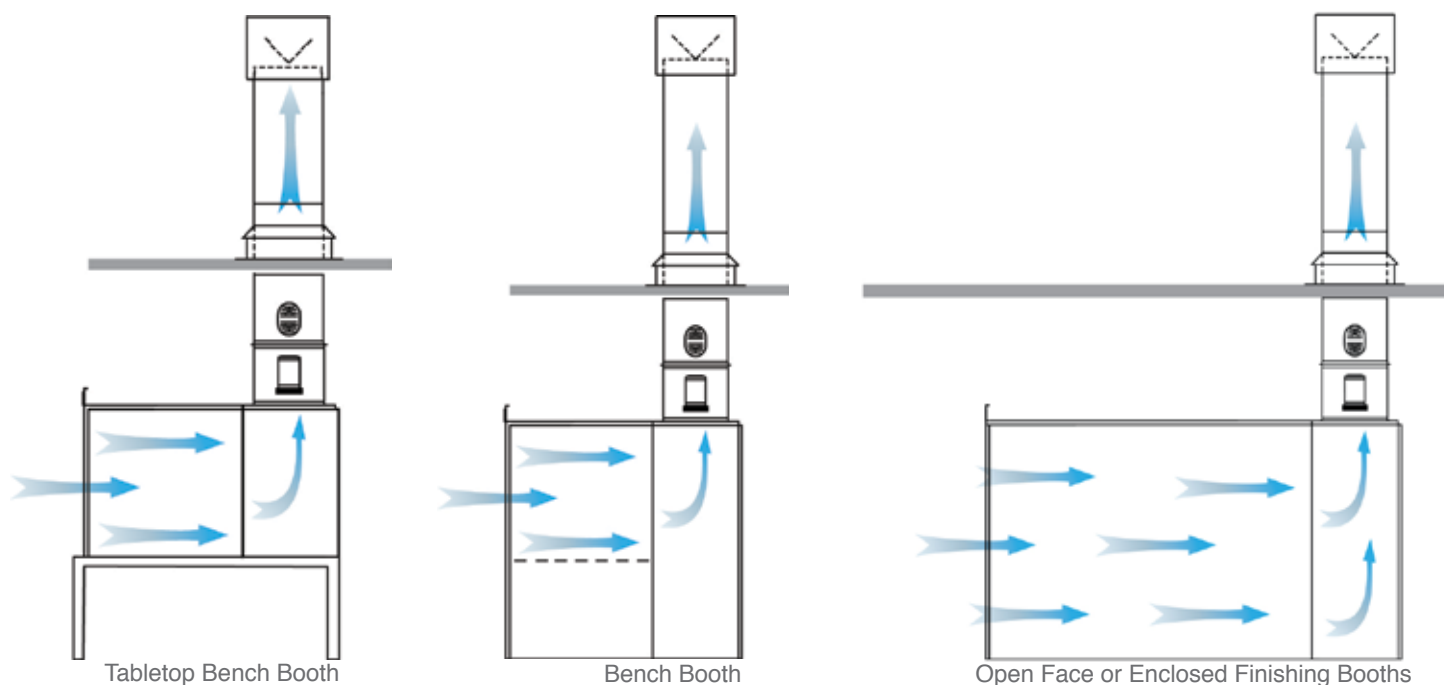
# DRY FILTER BOOTHS

Dry Filter Paint Booths from Global Finishing Solutions offer industrial businesses and hobbyists a safe, economic solution for painting products. Including Bench Booths, Open Face Booths and Enclosed Finishing Booths, the Dry Filter Booth line features more than 500 pre-engineered models in a wide variety of sizes and options to meet your customers' needs. Pre-engineered models and standard options offer shorter lead times and have endured a thorough validation process to ensure consistent, quality performance. In addition to our full line of pre-engineered models and options, GFS can custom design a Dry Filter Paint Booth with options such as conveyor or crane slot openings, air make-up units and multi-stage filtration.



## CROSSDRAFT AIRFLOW

The most cost-effective airflow style, crossdraft airflow offers reliable performance at an affordable price point. Since there is no pit to dig, crossdraft booths are also easier to integrate into existing facilities. In Bench Booths and Open Face Booths, unfiltered air enters at the front of the booth; in Enclosed Finishing Booths, air enters through filtered product doors. From there, air flows horizontally through the booth, flowing over the product and into a filter bank in the booth rear.



# DRY FILTER BOOTHS

## DRY FILTER FEATURES & OPTIONS MATRIX

Refer to the following matrix to determine which booth features are standard (pre-engineered), optional and custom. Custom options require coordination with a GFS Sales Representative, custom engineering and additional lead times. Pre-engineered features and options can be easily selected within the Industrial Product Configurator Tool.

S – STANDARD

O – OPTION

C – CUSTOM

Features & Options		Bench Booths	Open Face Booths	Enclosed Finishing Booths
Construction	18-Gauge Galvanized	S	S	S
	Single-Skin Panels	S	S	S
	White Pre-Coated Panels	O	O	O
	Dual-Skin Insulated Panels		C	C
	Conveyor or Monorail Supports		C	C
	Custom Depth, Width and Height	C	C	C
Exhaust	Industrial Top Exhaust Chamber	S	S	S
	Industrial Rear Exhaust Chamber	O	O	O
	Bridge External Top Exhaust Chamber			O*
	Roll Media Filtration	O	O	O
	Exhaust Ductwork Packages	O	O	O
Controls	Electromechanical CP	O	O	O
Doors & Windows	Personnel Door(s)		O	O
	Limit Switches on Personnel Doors		O	O
	Wall Observation Window Kits - Field Install	O	O	O
	Filtered Swing Door			O
	Filtered Folding Doors			O
	Filtered Tri-Fold Doors			O
	Drive-Thru Door (Solid Swing)			O**
	Roll-Up Doors			C
	Sliding Doors			C
	Limit Switches on Product Doors			O
Lighting	4-Tube Lighting/T8 Ballasts	S	S	S
	6-Tube Lighting/T8 Ballasts	O	O	O
	4- or 6-Tube LED Lighting	O	O	O
	Light Reflectors	O	O	O
	Additional Ceiling Lights		O***	O***
Pressurization	Non-Pressurized	S	S	S
	Air Make-Up Unit		C	C
	Manual Balance	O	O	O
	Manual VFD or Consta-Flow	O	O	O
Safety	Air Solenoid Valve	S	S	S
	Multi-Stage Filtration		C	C
	Seismic Construction Over Area C	C	C	C

\* Limited sizes available (10x8, 10x10, 10x12, 12x8, 12x10, 12x12). Other sizes will be custom requests.

\*\* Only available with bridge exhaust option; limited sizes available (10x8, 10x10, 10x12, 12x8, 12x10, 12x12)

\*\*\* Only available on 12- to 20-foot-wide booths

**Note:** Intake fan usage with pressurized crossdraft booths requires consultation with GFS Sales.



# BENCH BOOTHS

Our smallest booths, Bench Paint Booths allow businesses and hobbyists to paint small products in a safe, code-compliant environment. Models are available with an integrated raised bench or designed to be placed on a countertop to make painting small parts easy and accessible. With fast shipping on Bench Booths, you can start painting sooner.

## BOOTH FEATURES

### SOLID CONSTRUCTION

GFS Bench Paint Booths are constructed from high-quality, 18-gauge, G90 galvanized sheet steel. Quality components – including precision-punched panels with sturdy nut-and-bolt assembly – confirm longevity, safety and excellent structural integrity.

### AIRFLOW & EXHAUST

High-powered fans and motors, and precision-engineered exhaust chambers in GFS Bench Booths create adequate airflow for a safe, clean working environment. Air is pulled through the booth to an exhaust chamber with high-efficiency filtration to remove overspray and particles before it enters the outside environment. Each Bench Booth includes a non-sparking, tube axial exhaust fan with belt guards and duct connector ring, and a three-phase, TEFC, tri-voltage motor with variable pitch pulley.

### EASY FILTER REPLACEMENT

GFS Bench Booths come complete with a full set of 20-by-20-inch GFS Wave exhaust filters. Installing and replacing filters is easy with the grid system; you can avoid waste and save cost by replacing only the filter squares that need changing. An included manometer indicates when filters need to be replaced.

### BOOTH LIGHTING

Our largest Bench Paint Booth models feature a four-tube, inside-access fluorescent light fixture in the booth ceiling for a brighter painting environment and easy tube replacement. GFS light fixtures are Class 1, Division 2 ETL/ETL-C listed and come complete with T8 color-corrected tubes.

### SAFETY FEATURES

To ensure the safety of painters and equipment, a manometer and air solenoid valve are included with all Bench Booths to maintain an optimal working environment inside the booth. Manometers monitor overspray buildup on exhaust filters, while air solenoid valves prevent spraying in the booth when fans are off or a door is open.



# BENCH BOOTHS

## BOOTH OPTIONS

- White pre-coated panels
- Single-phase, explosion-proof and/or 575 V/50 Hz exhaust fan motor
- Fan stand and motor cover
- Six-tube fluorescent light fixtures with color-corrected tubes
- Four- or six-tube light fixtures with LED tubes
- Light reflectors
- Electromechanical control panel
- Manual balance
- Consta-Flow
- Dirty filter shutdown
- Exhaust air proving kit
- AMU interlock
- ¾-inch air solenoid valve
- Exhaust ductwork



## BENCH BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM	
DFBCG-030402-NSB-0L-TT	3'	4'	2'	3' 4"	5' 0"	4' 2"	12	3/4	1200	0
DFBCG-030402-NSB-0L	3'	4'	2'	3' 4"	7' 10"	4' 2"	12	3/4	1200	0
DFBCG-030403-NSB-0L	3'	4'	3'	3' 4"	7' 10"	5' 2"	12	3/4	1200	0
DFBCG-040403-NSB-0L	4'	4'	3'	4' 4"	7' 10"	5' 2"	12	3/4	1600	0
DFBCG-050403-NSB-1L	5'	4'	3'	5' 4"	7' 10"	5' 2"	18	1/2	2000	1
DFBCG-070403-NSB-1L	7'	4'	3'	7' 4"	7' 10"	5' 2"	18	3/4	2800	1

The following information is consistent across the product line and is not noted in the table:

- Booth Airflow: 100 FPM
- Static Pressure: 1/2 inch
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Additional static pressure may be needed to account for elbows, transitions or additional length

# OPEN FACE BOOTHS

Our most popular industrial spray booths, GFS Open Face Paint Booths are flexible, cost-effective solutions for a wide variety of finishing applications. The open-front design saves valuable floor space and makes it easy to move products and parts in and out of the booth. Choose from 260 pre-engineered models with fast shipping or we can custom design an Open Face Booth to meet your specific requirements.

## BOOTH FEATURES

### SOLID CONSTRUCTION

GFS Open Face Paint Booths are constructed from high-quality, 18-gauge, G90 galvanized sheet steel. Quality components – including precision-punched panels with sturdy nut-and-bolt assembly – confirm longevity, safety and excellent structural integrity.

### AIRFLOW & EXHAUST

High-powered fans and motors, and precision-engineered exhaust chambers in GFS Open Face Booths create adequate airflow for a safe, clean working environment. Air is pulled through the booth to an exhaust chamber with high-efficiency filtration to remove overspray and particles before it enters the outside environment. Each Open Face Booth includes a non-sparking, tube axial exhaust fan with belt guards and duct connector ring, and a three-phase, TEFC, tri-voltage motor with variable pitch pulley.

### EASY FILTER REPLACEMENT

GFS Open Face Booths come complete with a full set of 20-by-20-inch GFS Wave exhaust filters. Installing and replacing filters is easy with the grid system; you can avoid waste and save cost by replacing only the filter squares that need changing. An included manometer indicates when filters need to be replaced.

### BOOTH LIGHTING

All of GFS' Open Face Paint Booths feature four-tube, inside-access fluorescent light fixtures in the booth ceiling for a brighter painting environment and easy tube replacement. GFS light fixtures are Class 1, Division 2 ETL/ETL-C listed and come complete with T8 color-corrected tubes.

### SAFETY FEATURES

To ensure the safety of painters and equipment, a manometer and air solenoid valve are included with all Open Face Paint Booths to maintain an optimal working environment inside the booth. Manometers monitor overspray buildup on exhaust filters, while air solenoid valves prevent spraying in the booth when fans are off or a door is open.



# OPEN FACE BOOTHS

## BOOTH OPTIONS

### WHITE PRE-COAT

18-gauge sheet steel panels with a white powder-coated finish are available as a pre-engineered option for better light reflectivity and improved resistance to humidity and corrosion.

### CONTROL PANELS

An electromechanical control panel is a standard option on all Open Face Paint Booths from GFS. Electromechanical control panels are used to operate booth exhaust, safety interlocks and lights.

### AIR PROVING SWITCH

Air proving switches automatically measure air pressure in the exhaust ductwork during booth operation to ensure that the exhaust fan is moving air and operating as expected. Air proving switches are required on all booths in Canada, and function as an additional safety check to ensure that the percentage of flammable vapors in the air remains within safe limits.

## CUSTOM OPTIONS

### CRANE SLOTS

Crane slots allow a bridge crane to move heavy parts or machinery into a paint booth. Crane slots can be designed to allow the bridge crane to run completely through the booth or to enter and exit the same way after the product has been painted or finished.

### CONVEYOR OPENINGS

Designed to move parts past the painter or an automatic spray gun, conveyor openings allow rails to run through the booth for increased automation and productivity.

### AIR MAKE-UP UNIT (AMU)

AMUs provide an economical source of replacement air to the booth and building. All GFS Air Make-Up Units are ETL listed and designed to meet all NFPA 86 requirements. For additional AMU information, see the Air Make-Up Unit section on page 50.

### LIGHTING OPTIONS

Six-tube fluorescent light fixtures with T8 ballasts are available to provide additional lighting without additional installation costs. Additional ceiling lights or light reflectors can be added to achieve greater luminosity.

Four- or six-tube LED fixtures are also available for energy savings. These fixtures use GFS standard 48-inch, inside-access fixtures and twist-style replacement.

### ADDITIONAL SAFETY OPTIONS

Dirty filter shutdown and other safety options are available on GFS Open Face Paint Booths. Dirty filter shutdown signals when filters become loaded and reach a high level of static pressure. If the filters are not replaced, the booth will shut down and remain so until the filters are replaced.

### DUAL SKIN PANELS

Dual-skin panels are pre-coated white to create a smooth, bright appearance inside and outside the paint booth. Dual-skin panels lock together easily and are designed so that light fixtures fit flush against interior and exterior walls. The space between the panels is insulated to minimize noise transfer while the booth is in use.

### MULTI-STAGE FILTRATION

Local codes or the National Emission Standards for Hazardous Air Pollutants (NESHAP) may require three-stage filtration in certain situations. Additionally, end users may want to add roll media in front of panel filters to extend the life of more expensive downstream filters and reduce downtime due to filter replacement.



# OPEN FACE BOOTHS

## OPEN FACE BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM	
6 Ft. Wide Booths										
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
8 Ft. Wide Booths										
DFOCG-080706-NSB-1L	8'	7'	6'	8' 4"	7' 10"	9' 2"	24	2	5600	1
DFOCG-080708-NSB-1L	8'	7'	8'	8' 4"	7' 10"	11' 2"	24	2	5600	1
DFOCG-080709-NSB-1L	8'	7'	9'	8' 4"	7' 10"	12' 2"	24	2	5600	1
DFOCG-080710-NSB-1L	8'	7'	10'	8' 4"	7' 10"	13' 2"	24	2	5600	1
DFOCG-080712-NSB-2L	8'	7'	12'	8' 4"	7' 10"	15' 2"	24	2	5600	2
DFOCG-080806-NSB-1L	8'	8'	6'	8' 4"	8' 10"	9' 2"	24	2	6400	1
DFOCG-080808-NSB-1L	8'	8'	8'	8' 4"	8' 10"	11' 2"	24	2	6400	1
DFOCG-080809-NSB-1L	8'	8'	9'	8' 4"	8' 10"	12' 2"	24	2	6400	1
DFOCG-080810-NSB-1L	8'	8'	10'	8' 4"	8' 10"	13' 2"	24	2	6400	1
DFOCG-080812-NSB-2L	8'	8'	12'	8' 4"	8' 10"	15' 2"	24	2	6400	2
DFOCG-081006-NSB-1L	8'	10'	6'	8' 4"	10' 10"	9' 2"	30	3	8000	1
DFOCG-081008-NSB-1L	8'	10'	8'	8' 4"	10' 10"	11' 2"	30	3	8000	1
DFOCG-081009-NSB-1L	8'	10'	9'	8' 4"	10' 10"	12' 2"	30	3	8000	1
DFOCG-081010-NSB-1L	8'	10'	10'	8' 4"	10' 10"	13' 2"	30	3	8000	1
DFOCG-081012-NSB-2L	8'	10'	12'	8' 4"	10' 10"	15' 2"	30	3	8000	2
DFOCG-081206-NSB-1L	8'	12'	6'	8' 4"	12' 10"	9' 2"	30	5	9600	1
DFOCG-081208-NSB-1L	8'	12'	8'	8' 4"	12' 10"	11' 2"	30	5	9600	1
DFOCG-081209-NSB-1L	8'	12'	9'	8' 4"	12' 10"	12' 2"	30	5	9600	1
DFOCG-081210-NSB-1L	8'	12'	10'	8' 4"	12' 10"	13' 2"	30	5	9600	1
DFOCG-081212-NSB-2L	8'	12'	12'	8' 4"	12' 10"	15' 2"	30	5	9600	2
10 Ft. Wide Booths										
DFOCG-100706-NSB-2L	10'	7'	6'	10' 4"	7' 10"	9' 2"	24	3	7000	2
DFOCG-100708-NSB-2L	10'	7'	8'	10' 4"	7' 10"	11' 2"	24	3	7000	2
DFOCG-100709-NSB-2L	10'	7'	9'	10' 4"	7' 10"	12' 2"	24	3	7000	2
DFOCG-100710-NSB-2L	10'	7'	10'	10' 4"	7' 10"	13' 2"	24	3	7000	2
DFOCG-100712-NSB-4L	10'	7'	12'	10' 4"	7' 10"	15' 2"	24	3	7000	4
DFOCG-100806-NSB-2L	10'	8'	6'	10' 4"	8' 10"	9' 2"	30	3	8000	2
DFOCG-100808-NSB-2L	10'	8'	8'	10' 4"	8' 10"	11' 2"	30	3	8000	2
DFOCG-100809-NSB-2L	10'	8'	9'	10' 4"	8' 10"	12' 2"	30	3	8000	2
DFOCG-100810-NSB-2L	10'	8'	10'	10' 4"	8' 10"	13' 2"	30	3	8000	2
DFOCG-100812-NSB-4L	10'	8'	12'	10' 4"	8' 10"	15' 2"	30	3	8000	4
DFOCG-101006-NSB-2L	10'	10'	6'	10' 4"	10' 10"	9' 2"	30	5	10000	2
DFOCG-101008-NSB-2L	10'	10'	8'	10' 4"	10' 10"	11' 2"	30	5	10000	2
DFOCG-101009-NSB-2L	10'	10'	9'	10' 4"	10' 10"	12' 2"	30	5	10000	2
DFOCG-101010-NSB-2L	10'	10'	10'	10' 4"	10' 10"	13' 2"	30	5	10000	2
DFOCG-101012-NSB-4L	10'	10'	12'	10' 4"	10' 10"	15' 2"	30	5	10000	4
DFOCG-101206-NSB-2L	10'	12'	6'	10' 4"	12' 10"	9' 2"	34	5	12000	2
DFOCG-101208-NSB-2L	10'	12'	8'	10' 4"	12' 10"	11' 2"	34	5	12000	2
DFOCG-101209-NSB-2L	10'	12'	9'	10' 4"	12' 10"	12' 2"	34	5	12000	2
DFOCG-101210-NSB-2L	10'	12'	10'	10' 4"	12' 10"	13' 2"	34	5	12000	2
DFOCG-101212-NSB-4L	10'	12'	12'	10' 4"	12' 10"	15' 2"	34	5	12000	4

# OPEN FACE BOOTHS

## OPEN FACE BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights	Optional Lights	Model No. w/ Optional Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM			
12 Ft. Wide Booths												
DFOCG-120706-NSB-2L	12'	7'	6'	12' 4"	7' 10"	10' 2"	30	3	8400	2	4	DFOCG-120706-NSD-4L
DFOCG-120708-NSB-2L	12'	7'	8'	12' 4"	7' 10"	12' 2"	30	3	8400	2	4	DFOCG-120708-NSD-4L
DFOCG-120709-NSB-2L	12'	7'	9'	12' 4"	7' 10"	13' 2"	30	3	8400	2	4	DFOCG-120709-NSD-4L
DFOCG-120710-NSB-2L	12'	7'	10'	12' 4"	7' 10"	14' 2"	30	3	8400	2	4	DFOCG-120710-NSD-4L
DFOCG-120712-NSB-4L	12'	7'	12'	12' 4"	7' 10"	16' 2"	30	3	8400	4	8	DFOCG-120712-NSD-8L
DFOCG-120806-NSB-2L	12'	8'	6'	12' 4"	8' 10"	10' 2"	34	3	9600	2	4	DFOCG-120806-NSD-4L
DFOCG-120808-NSB-2L	12'	8'	8'	12' 4"	8' 10"	12' 2"	34	3	9600	2	4	DFOCG-120808-NSD-4L
DFOCG-120809-NSB-2L	12'	8'	9'	12' 4"	8' 10"	13' 2"	34	3	9600	2	4	DFOCG-120809-NSD-4L
DFOCG-120810-NSB-2L	12'	8'	10'	12' 4"	8' 10"	14' 2"	34	3	9600	2	4	DFOCG-120810-NSD-4L
DFOCG-120812-NSB-4L	12'	8'	12'	12' 4"	8' 10"	16' 2"	34	3	9600	4	8	DFOCG-120812-NSD-8L
DFOCG-121006-NSB-2L	12'	10'	6'	12' 4"	10' 10"	10' 2"	34	5	12000	2	4	DFOCG-121006-NSD-4L
DFOCG-121008-NSB-2L	12'	10'	8'	12' 4"	10' 10"	12' 2"	34	5	12000	2	4	DFOCG-121008-NSD-4L
DFOCG-121009-NSB-2L	12'	10'	9'	12' 4"	10' 10"	13' 2"	34	5	12000	2	4	DFOCG-121009-NSD-4L
DFOCG-121010-NSB-2L	12'	10'	10'	12' 4"	10' 10"	14' 2"	34	5	12000	2	4	DFOCG-121010-NSD-4L
DFOCG-121012-NSB-4L	12'	10'	12'	12' 4"	10' 10"	16' 2"	34	5	12000	4	8	DFOCG-121012-NSD-8L
DFOCG-121206-NSB-2L	12'	12'	6'	12' 4"	12' 10"	10' 2"	40	5	14400	2	4	DFOCG-121206-NSD-4L
DFOCG-121208-NSB-2L	12'	12'	8'	12' 4"	12' 10"	12' 2"	40	5	14400	2	4	DFOCG-121208-NSD-4L
DFOCG-121209-NSB-2L	12'	12'	9'	12' 4"	12' 10"	13' 2"	40	5	14400	2	4	DFOCG-121209-NSD-4L
DFOCG-121210-NSB-2L	12'	12'	10'	12' 4"	12' 10"	14' 2"	40	5	14400	2	4	DFOCG-121210-NSD-4L
DFOCG-121212-NSB-4L	12'	12'	12'	12' 4"	12' 10"	16' 2"	40	5	14400	4	8	DFOCG-121212-NSD-8L
14 Ft. Wide Booths												
DFOCG-140706-NSB-2L	14'	7'	6'	14' 4"	7' 10"	10' 2"	34	3	9800	2	4	DFOCG-140706-NSD-4L
DFOCG-140708-NSB-2L	14'	7'	8'	14' 4"	7' 10"	12' 2"	34	3	9800	2	4	DFOCG-140708-NSD-4L
DFOCG-140709-NSB-2L	14'	7'	9'	14' 4"	7' 10"	13' 2"	34	3	9800	2	4	DFOCG-140709-NSD-4L
DFOCG-140710-NSB-2L	14'	7'	10'	14' 4"	7' 10"	14' 2"	34	3	9800	2	4	DFOCG-140710-NSD-4L
DFOCG-140712-NSB-4L	14'	7'	12'	14' 4"	7' 10"	16' 2"	34	3	9800	4	8	DFOCG-140712-NSD-8L
DFOCG-140806-NSB-2L	14'	8'	6'	14' 4"	8' 10"	10' 2"	34	3	11200	2	4	DFOCG-140806-NSD-4L
DFOCG-140808-NSB-2L	14'	8'	8'	14' 4"	8' 10"	12' 2"	34	3	11200	2	4	DFOCG-140808-NSD-4L
DFOCG-140809-NSB-2L	14'	8'	9'	14' 4"	8' 10"	13' 2"	34	3	11200	2	4	DFOCG-140809-NSD-4L
DFOCG-140810-NSB-2L	14'	8'	10'	14' 4"	8' 10"	14' 2"	34	3	11200	2	4	DFOCG-140810-NSD-4L
DFOCG-140812-NSB-4L	14'	8'	12'	14' 4"	8' 10"	16' 2"	34	3	11200	4	8	DFOCG-140812-NSD-8L
DFOCG-141006-NSB-2L	14'	10'	6'	14' 4"	10' 10"	10' 2"	40	5	14000	2	4	DFOCG-141006-NSD-4L
DFOCG-141008-NSB-2L	14'	10'	8'	14' 4"	10' 10"	12' 2"	40	5	14000	2	4	DFOCG-141008-NSD-4L
DFOCG-141009-NSB-2L	14'	10'	9'	14' 4"	10' 10"	13' 2"	40	5	14000	2	4	DFOCG-141009-NSD-4L
DFOCG-141010-NSB-2L	14'	10'	10'	14' 4"	10' 10"	14' 2"	40	5	14000	2	4	DFOCG-141010-NSD-4L
DFOCG-141012-NSB-4L	14'	10'	12'	14' 4"	10' 10"	16' 2"	40	5	14000	4	8	DFOCG-141012-NSD-8L
DFOCG-141206-NSB-2L	14'	12'	6'	14' 4"	12' 10"	10' 2"	40	5	16800	2	4	DFOCG-141206-NSD-4L
DFOCG-141208-NSB-2L	14'	12'	8'	14' 4"	12' 10"	12' 2"	40	5	16800	2	4	DFOCG-141208-NSD-4L
DFOCG-141209-NSB-2L	14'	12'	9'	14' 4"	12' 10"	13' 2"	40	5	16800	2	4	DFOCG-141209-NSD-4L
DFOCG-141210-NSB-2L	14'	12'	10'	14' 4"	12' 10"	14' 2"	40	5	16800	2	4	DFOCG-141210-NSD-4L
DFOCG-141212-NSB-4L	14'	12'	12'	14' 4"	12' 10"	16' 2"	40	5	16800	4	8	DFOCG-141212-NSD-8L
16 Ft. Wide Booths												
DFOCG-160706-NSB-2L	16'	7'	6'	16' 4"	7' 10"	10' 2"	34	3	11200	2	4	DFOCG-160706-NSD-4L
DFOCG-160708-NSB-2L	16'	7'	8'	16' 4"	7' 10"	12' 2"	34	3	11200	2	4	DFOCG-160708-NSD-4L
DFOCG-160709-NSB-2L	16'	7'	9'	16' 4"	7' 10"	13' 2"	34	3	11200	2	4	DFOCG-160709-NSD-4L
DFOCG-160710-NSB-2L	16'	7'	10'	16' 4"	7' 10"	14' 2"	34	3	11200	2	4	DFOCG-160710-NSD-4L
DFOCG-160712-NSB-4L	16'	7'	12'	16' 4"	7' 10"	16' 2"	34	3	11200	4	8	DFOCG-160712-NSD-8L
DFOCG-160806-NSB-2L	16'	8'	6'	16' 4"	8' 10"	10' 2"	34	5	12800	2	4	DFOCG-160806-NSD-4L
DFOCG-160808-NSB-2L	16'	8'	8'	16' 4"	8' 10"	12' 2"	34	5	12800	2	4	DFOCG-160808-NSD-4L
DFOCG-160809-NSB-2L	16'	8'	9'	16' 4"	8' 10"	13' 2"	34	5	12800	2	4	DFOCG-160809-NSD-4L
DFOCG-160810-NSB-2L	16'	8'	10'	16' 4"	8' 10"	14' 2"	34	5	12800	2	4	DFOCG-160810-NSD-4L
DFOCG-160812-NSB-4L	16'	8'	12'	16' 4"	8' 10"	16' 2"	34	5	12800	4	8	DFOCG-160812-NSD-8L
DFOCG-161006-NSB-2L	16'	10'	6'	16' 4"	10' 10"	10' 2"	40	5	16000	2	4	DFOCG-161006-NSD-4L
DFOCG-161008-NSB-2L	16'	10'	8'	16' 4"	10' 10"	12' 2"	40	5	16000	2	4	DFOCG-161008-NSD-4L
DFOCG-161009-NSB-2L	16'	10'	9'	16' 4"	10' 10"	13' 2"	40	5	16000	2	4	DFOCG-161009-NSD-4L
DFOCG-161010-NSB-2L	16'	10'	10'	16' 4"	10' 10"	14' 2"	40	5	16000	2	4	DFOCG-161010-NSD-4L
DFOCG-161012-NSB-4L	16'	10'	12'	16' 4"	10' 10"	16' 2"	40	5	16000	4	8	DFOCG-161012-NSD-8L
DFOCG-161206-NSB-2L	16'	12'	6'	16' 4"	12' 10"	10' 2"	42	7 1/2	19200	2	4	DFOCG-161206-NSD-4L
DFOCG-161208-NSB-2L	16'	12'	8'	16' 4"	12' 10"	12' 2"	42	7 1/2	19200	2	4	DFOCG-161208-NSD-4L
DFOCG-161209-NSB-2L	16'	12'	9'	16' 4"	12' 10"	13' 2"	42	7 1/2	19200	2	4	DFOCG-161209-NSD-4L
DFOCG-161210-NSB-2L	16'	12'	10'	16' 4"	12' 10"	14' 2"	42	7 1/2	19200	2	4	DFOCG-161210-NSD-4L
DFOCG-161212-NSB-4L	16'	12'	12'	16' 4"	12' 10"	16' 2"	42	7 1/2	19200	4	8	DFOCG-161212-NSD-8L

# OPEN FACE BOOTHS

## OPEN FACE BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights	Optional Lights	Model No. w/ Optional Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM			
18 Ft. Wide Booths												
DFOCG-180706-NSB-3L	18'	7'	6'	18' 4"	7' 10"	10' 2"	34	5	12600	3	5	DFOCG-180706-NSD-5L
DFOCG-180708-NSB-3L	18'	7'	8'	18' 4"	7' 10"	12' 2"	34	5	12600	3	5	DFOCG-180708-NSD-5L
DFOCG-180709-NSB-3L	18'	7'	9'	18' 4"	7' 10"	13' 2"	34	5	12600	3	5	DFOCG-180709-NSD-5L
DFOCG-180710-NSB-3L	18'	7'	10'	18' 4"	7' 10"	14' 2"	34	5	12600	3	5	DFOCG-180710-NSD-5L
DFOCG-180712-NSB-6L	18'	7'	12'	18' 4"	7' 10"	16' 2"	34	5	12600	6	10	DFOCG-180712-NSD-10L
DFOCG-180806-NSB-3L	18'	8'	6'	18' 4"	8' 10"	10' 2"	40	5	14400	3	5	DFOCG-180806-NSD-5L
DFOCG-180808-NSB-3L	18'	8'	8'	18' 4"	8' 10"	12' 2"	40	5	14400	3	5	DFOCG-180808-NSD-5L
DFOCG-180809-NSB-3L	18'	8'	9'	18' 4"	8' 10"	13' 2"	40	5	14400	3	5	DFOCG-180809-NSD-5L
DFOCG-180810-NSB-3L	18'	8'	10'	18' 4"	8' 10"	14' 2"	40	5	14400	3	5	DFOCG-180810-NSD-5L
DFOCG-180812-NSB-6L	18'	8'	12'	18' 4"	8' 10"	16' 2"	40	5	14400	6	10	DFOCG-180812-NSD-10L
DFOCG-181006-NSB-3L	18'	10'	6'	18' 4"	10' 10"	10' 2"	40	5	18000	3	5	DFOCG-181006-NSD-5L
DFOCG-181008-NSB-3L	18'	10'	8'	18' 4"	10' 10"	12' 2"	40	5	18000	3	5	DFOCG-181008-NSD-5L
DFOCG-181009-NSB-3L	18'	10'	9'	18' 4"	10' 10"	13' 2"	40	5	18000	3	5	DFOCG-181009-NSD-5L
DFOCG-181010-NSB-3L	18'	10'	10'	18' 4"	10' 10"	14' 2"	40	5	18000	3	5	DFOCG-181010-NSD-5L
DFOCG-181012-NSB-6L	18'	10'	12'	18' 4"	10' 10"	16' 2"	40	5	18000	6	10	DFOCG-181012-NSD-10L
DFOCG-181206-NSB-3L	18'	12'	6'	18' 4"	12' 10"	10' 2"	42	10	21600	3	5	DFOCG-181206-NSD-5L
DFOCG-181208-NSB-3L	18'	12'	8'	18' 4"	12' 10"	12' 2"	42	10	21600	3	5	DFOCG-181208-NSD-5L
DFOCG-181209-NSB-3L	18'	12'	9'	18' 4"	12' 10"	13' 2"	42	10	21600	3	5	DFOCG-181209-NSD-5L
DFOCG-181210-NSB-3L	18'	12'	10'	18' 4"	12' 10"	14' 2"	42	10	21600	3	5	DFOCG-181210-NSD-5L
DFOCG-181212-NSB-6L	18'	12'	12'	18' 4"	12' 10"	16' 2"	42	10	21600	6	10	DFOCG-181212-NSD-10L
20 Ft. Wide Booths												
DFOCG-200706-NSB-4L	20'	7'	6'	20' 4"	7' 10"	10' 2"	40	5	14000	4	6	DFOCG-200706-NSD-6L
DFOCG-200708-NSB-4L	20'	7'	8'	20' 4"	7' 10"	12' 2"	40	5	14000	4	6	DFOCG-200708-NSD-6L
DFOCG-200709-NSB-4L	20'	7'	9'	20' 4"	7' 10"	13' 2"	40	5	14000	4	6	DFOCG-200709-NSD-6L
DFOCG-200710-NSB-4L	20'	7'	10'	20' 4"	7' 10"	14' 2"	40	5	14000	4	6	DFOCG-200710-NSD-6L
DFOCG-200712-NSB-8L	20'	7'	12'	20' 4"	7' 10"	16' 2"	40	5	14000	8	12	DFOCG-200712-NSD-12L
DFOCG-200806-NSB-4L	20'	8'	6'	20' 4"	8' 10"	10' 2"	40	5	16000	4	6	DFOCG-200806-NSD-6L
DFOCG-200808-NSB-4L	20'	8'	8'	20' 4"	8' 10"	12' 2"	40	5	16000	4	6	DFOCG-200808-NSD-6L
DFOCG-200809-NSB-4L	20'	8'	9'	20' 4"	8' 10"	13' 2"	40	5	16000	4	6	DFOCG-200809-NSD-6L
DFOCG-200810-NSB-4L	20'	8'	10'	20' 4"	8' 10"	14' 2"	40	5	16000	4	6	DFOCG-200810-NSD-6L
DFOCG-200812-NSB-8L	20'	8'	12'	20' 4"	8' 10"	16' 2"	40	5	16000	8	12	DFOCG-200812-NSD-12L
DFOCG-201006-NSB-4L	20'	10'	6'	20' 4"	10' 10"	10' 2"	42	7 1/2	20000	4	6	DFOCG-201006-NSD-6L
DFOCG-201008-NSB-4L	20'	10'	8'	20' 4"	10' 10"	12' 2"	42	7 1/2	20000	4	6	DFOCG-201008-NSD-6L
DFOCG-201009-NSB-4L	20'	10'	9'	20' 4"	10' 10"	13' 2"	42	7 1/2	20000	4	6	DFOCG-201009-NSD-6L
DFOCG-201010-NSB-4L	20'	10'	10'	20' 4"	10' 10"	14' 2"	42	7 1/2	20000	4	6	DFOCG-201010-NSD-6L
DFOCG-201012-NSB-8L	20'	10'	12'	20' 4"	10' 10"	16' 2"	42	7 1/2	20000	8	12	DFOCG-201012-NSD-12L
DFOCG-201206-NSB-4L	20'	12'	6'	20' 4"	12' 10"	10' 2"	42	10	24000	4	6	DFOCG-201206-NSD-6L
DFOCG-201208-NSB-4L	20'	12'	8'	20' 4"	12' 10"	12' 2"	42	10	24000	4	6	DFOCG-201208-NSD-6L
DFOCG-201209-NSB-4L	20'	12'	9'	20' 4"	12' 10"	13' 2"	42	10	24000	4	6	DFOCG-201209-NSD-6L
DFOCG-201210-NSB-4L	20'	12'	10'	20' 4"	12' 10"	14' 2"	42	10	24000	4	6	DFOCG-201210-NSD-6L
DFOCG-201212-NSB-8L	20'	12'	12'	20' 4"	12' 10"	16' 2"	42	10	24000	8	12	DFOCG-201212-NSD-12L

The following information is consistent across the product line and is not noted in the table:

- Booth Airflow: 100 FPM
- Static Pressure: 1/2 inch
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Additional static pressure may be needed to account for elbows, transitions or additional length

# ENCLOSED FINISHING BOOTHS

With high-efficiency filtered intake doors, GFS Enclosed Finishing Paint Booths provide a safe, cost-effective finishing environment for producing quality paint finishes. Filtered doors prevent dirt and dust from entering the paint booth for cleaner paint jobs with less rework. Enclosed Finishing Booths are available in 260 pre-engineered models and standard options or can be customized to meet your needs.

## BOOTH FEATURES

### SOLID CONSTRUCTION

GFS Enclosed Finishing Booths are constructed from high-quality, 18-gauge, G90 galvanized sheet steel. Quality components – including precision-punched panels with sturdy nut-and-bolt assembly, plate steel door hinges and friction-style latches – confirm longevity, safety and excellent structural integrity.

### AIRFLOW & EXHAUST

High-powered fans and motors, and precision-engineered exhaust chambers in GFS Enclosed Finishing Booths create adequate airflow for a safe, clean working environment. Air is pulled through the booth to an exhaust chamber with high-efficiency filtration to remove overspray and particles before it enters the outside environment. Each Enclosed Finishing Booth includes a non-sparking, tube axial exhaust fan with belt guards and duct connector ring, and a three-phase, TEFC, tri-voltage motor with variable pitch pulley.

### EASY FILTER REPLACEMENT

GFS Enclosed Finishing Paint Booths come complete with a full set of high-efficiency, 20-by-20-inch GFS Wave exhaust and tacky intake filters. Installing and replacing filters is easy with the grid system; you can avoid waste and save cost by replacing only the filter squares that need changing. An included manometer indicates when filters need to be replaced.

### EASY FILTER REPLACEMENT

GFS Enclosed Finishing Booths come complete with a full set of 20-by-20-inch GFS Wave exhaust filters. Installing and replacing filters is easy with the grid system; you can avoid waste and save cost by replacing only the filter squares that need changing. An included manometer indicates when filters need to be replaced.

### BOOTH LIGHTING

All of GFS' Enclosed Finishing Paint Booths feature four-tube, inside-access fluorescent light fixtures in the booth ceiling for a brighter painting environment and easy tube replacement. GFS light fixtures are Class 1, Division 2 ETL/ETL-C listed and come complete with T8 color-corrected tubes.

### SAFETY FEATURES

To ensure the safety of painters and equipment, a manometer and air solenoid valve are included with all Enclosed Finishing Paint Booths to maintain an optimal working environment inside the booth. Manometers monitor overspray buildup on exhaust filters, while air solenoid valves prevent spraying in the booth when fans are off or a door is open.





# ENCLOSED FINISHING BOOTHS

## BOOTH OPTIONS

### WHITE PRE-COAT

18-gauge sheet steel panels with a white powder-coated finish are available as a pre-engineered option for better light reflectivity and improved resistance to humidity and corrosion.

### CONTROL PANELS

An electromechanical control panel is a standard option on all Enclosed Finishing Paint Booths from GFS. Electromechanical control panels are used to operate booth exhaust, safety interlocks and lights.

### AIR PROVING SWITCH

Air proving switches automatically measure air pressure in the exhaust ductwork during booth operation to ensure that the exhaust fan is moving air and operating as expected. Air proving switches are required on all booths in Canada, and function as an additional safety check to ensure that the percentage of flammable vapors in the air remains within safe limits.

## CUSTOM OPTIONS

### CRANE SLOTS

Crane slots allow a bridge crane to move heavy parts or machinery into a paint booth. Crane slots can be designed to allow the bridge crane to run completely through the booth or to enter and exit the same way after the product has been painted or finished.

### CONVEYOR OPENINGS

Designed to move parts past the painter or an automatic spray gun, conveyor openings allow rails to run through the booth for increased automation and productivity.

### AIR MAKE-UP UNIT (AMU)

AMUs provide an economical source of replacement air to the booth and building. All GFS Air Make-Up Units are ETL listed and designed to meet all NFPA 86 requirements. For additional AMU information, see the Air Make-Up Unit section on page 50.

### LIGHTING OPTIONS

Six-tube fluorescent light fixtures with T8 ballasts are available to provide additional lighting without additional installation costs. Additional ceiling lights or light reflectors can be added to achieve greater luminosity.

Four- or six-tube LED fixtures are also available for energy savings. These fixtures use GFS standard 48-inch, inside-access fixtures and twist-style replacement.

### BRIDGE EXHAUST CHAMBERS

Available on a limited number of models of Enclosed Finishing Booths, bridge external top exhaust chambers allow the painter more room to move around the product, part or vehicle in the booth. Drive-thru product doors may also be added to allow product to pass through the booth.

### ADDITIONAL SAFETY OPTIONS

Dirty filter shutdown and other safety options are available on GFS Enclosed Finishing Paint Booths. Dirty filter shutdown signals when filters become loaded and reach a high level of static pressure. If the filters are not replaced, the booth will shut down and remain so until the filters are replaced.

### DUAL SKIN PANELS

Dual-skin panels are pre-coated white to create a smooth, bright appearance inside and outside the paint booth. Dual-skin panels lock together easily and are designed so that light fixtures fit flush against interior and exterior walls. The space between the panels is insulated to minimize noise transfer while the booth is in use.

### MULTI-STAGE FILTRATION

Local codes or the National Emission Standards for Hazardous Air Pollutants (NESHAP) may require three-stage filtration in certain situations. Additionally, end users may want to add roll media in front of panel filters to extend the life of more expensive downstream filters and reduce downtime due to filter replacement.

## ENCLOSED FINISHING BOOTHS

## ENCLOSED FINISHING BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM	
6 Ft. Wide Booths										
DFECG-060706-NSB-1L	6'	7'	6'	6' 4"	7' 10"	9' 2"	24	1	4200	1
DFECG-060708-NSB-1L	6'	7'	8'	6' 4"	7' 10"	11' 2"	24	1	4200	1
DFECG-060709-NSB-1L	6'	7'	9'	6' 4"	7' 10"	12' 2"	24	1	4200	1
DFECG-060710-NSB-1L	6'	7'	10'	6' 4"	7' 10"	13' 2"	24	1	4200	1
DFECG-060712-NSB-2L	6'	7'	12'	6' 4"	7' 10"	15' 2"	24	1	4200	2
DFECG-060806-NSB-1L	6'	8'	6'	6' 4"	8' 10"	9' 2"	24	2	4800	1
DFECG-060808-NSB-1L	6'	8'	8'	6' 4"	8' 10"	11' 2"	24	2	4800	1
DFECG-060809-NSB-1L	6'	8'	9'	6' 4"	8' 10"	12' 2"	24	2	4800	1
DFECG-060810-NSB-1L	6'	8'	10'	6' 4"	8' 10"	13' 2"	24	2	4800	1
DFECG-060812-NSB-2L	6'	8'	12'	6' 4"	8' 10"	15' 2"	24	2	4800	2
DFECG-061006-NSB-1L	6'	10'	6'	6' 4"	10' 10"	9' 2"	24	2	6000	1
DFECG-061008-NSB-1L	6'	10'	8'	6' 4"	10' 10"	11' 2"	24	2	6000	1
DFECG-061009-NSB-1L	6'	10'	9'	6' 4"	10' 10"	12' 2"	24	2	6000	1
DFECG-061010-NSB-1L	6'	10'	10'	6' 4"	10' 10"	13' 2"	24	2	6000	1
DFECG-061012-NSB-2L	6'	10'	12'	6' 4"	10' 10"	15' 2"	24	2	6000	2
DFECG-061206-NSB-1L	6'	12'	6'	6' 4"	12' 10"	9' 2"	30	3	7200	1
DFECG-061208-NSB-1L	6'	12'	8'	6' 4"	12' 10"	11' 2"	30	3	7200	1
DFECG-061209-NSB-1L	6'	12'	9'	6' 4"	12' 10"	12' 2"	30	3	7200	1
DFECG-061210-NSB-1L	6'	12'	10'	6' 4"	12' 10"	13' 2"	30	3	7200	1
DFECG-061210-NSB-2L	6'	12'	12'	6' 4"	12' 10"	15' 2"	30	3	7200	2
8 Ft. Wide Booths										
DFECG-080706-NSB-1L	8'	7'	6'	8' 4"	7' 10"	9' 2"	24	2	5600	1
DFECG-080708-NSB-1L	8'	7'	8'	8' 4"	7' 10"	11' 2"	24	2	5600	1
DFECG-080709-NSB-1L	8'	7'	9'	8' 4"	7' 10"	12' 2"	24	2	5600	1
DFECG-080710-NSB-1L	8'	7'	10'	8' 4"	7' 10"	13' 2"	24	2	5600	1
DFECG-080712-NSB-2L	8'	7'	12'	8' 4"	7' 10"	15' 2"	24	2	5600	2
DFECG-080806-NSB-1L	8'	8'	6'	8' 4"	8' 10"	9' 2"	24	2	6400	1
DFECG-080808-NSB-1L	8'	8'	8'	8' 4"	8' 10"	11' 2"	24	2	6400	1
DFECG-080809-NSB-1L	8'	8'	9'	8' 4"	8' 10"	12' 2"	24	2	6400	1
DFECG-080810-NSB-1L	8'	8'	10'	8' 4"	8' 10"	13' 2"	24	2	6400	1
DFECG-080812-NSB-2L	8'	8'	12'	8' 4"	8' 10"	15' 2"	24	2	6400	2
DFECG-081006-NSB-1L	8'	10'	6'	8' 4"	10' 10"	9' 2"	30	3	8000	1
DFECG-081008-NSB-1L	8'	10'	8'	8' 4"	10' 10"	11' 2"	30	3	8000	1
DFECG-081009-NSB-1L	8'	10'	9'	8' 4"	10' 10"	12' 2"	30	3	8000	1
DFECG-081010-NSB-1L	8'	10'	10'	8' 4"	10' 10"	13' 2"	30	3	8000	1
DFECG-081012-NSB-2L	8'	10'	12'	8' 4"	10' 10"	15' 2"	30	3	8000	2
DFECG-081206-NSB-1L	8'	12'	6'	8' 4"	12' 10"	9' 2"	30	5	9600	1
DFECG-081208-NSB-1L	8'	12'	8'	8' 4"	12' 10"	11' 2"	30	5	9600	1
DFECG-081209-NSB-1L	8'	12'	9'	8' 4"	12' 10"	12' 2"	30	5	9600	1
DFECG-081210-NSB-1L	8'	12'	10'	8' 4"	12' 10"	13' 2"	30	5	9600	1
DFECG-081212-NSB-2L	8'	12'	12'	8' 4"	12' 10"	15' 2"	30	5	9600	2
10 Ft. Wide Booths										
DFECG-100706-NSB-2L	10'	7'	6'	10' 4"	7' 10"	9' 2"	24	3	7000	2
DFECG-100708-NSB-2L	10'	7'	8'	10' 4"	7' 10"	11' 2"	24	3	7000	2
DFECG-100709-NSB-2L	10'	7'	9'	10' 4"	7' 10"	12' 2"	24	3	7000	2
DFECG-100710-NSB-2L	10'	7'	10'	10' 4"	7' 10"	13' 2"	24	3	7000	2
DFECG-100712-NSB-4L	10'	7'	12'	10' 4"	7' 10"	15' 2"	24	3	7000	4
DFECG-100806-NSB-2L	10'	8'	6'	10' 4"	8' 10"	9' 2"	30	3	8000	2
DFECG-100808-NSB-2L	10'	8'	8'	10' 4"	8' 10"	11' 2"	30	3	8000	2
DFECG-100809-NSB-2L	10'	8'	9'	10' 4"	8' 10"	12' 2"	30	3	8000	2
DFECG-100810-NSB-2L	10'	8'	10'	10' 4"	8' 10"	13' 2"	30	3	8000	2
DFECG-100812-NSB-4L	10'	8'	12'	10' 4"	8' 10"	15' 2"	30	3	8000	4
DFECG-101006-NSB-2L	10'	10'	6'	10' 4"	10' 10"	9' 2"	30	5	10000	2
DFECG-101008-NSB-2L	10'	10'	8'	10' 4"	10' 10"	11' 2"	30	5	10000	2
DFECG-101009-NSB-2L	10'	10'	9'	10' 4"	10' 10"	12' 2"	30	5	10000	2
DFECG-101010-NSB-2L	10'	10'	10'	10' 4"	10' 10"	13' 2"	30	5	10000	2
DFECG-101012-NSB-4L	10'	10'	12'	10' 4"	10' 10"	15' 2"	30	5	10000	4
DFECG-101206-NSB-2L	10'	12'	6'	10' 4"	12' 10"	9' 2"	34	5	12000	2
DFECG-101208-NSB-2L	10'	12'	8'	10' 4"	12' 10"	11' 2"	34	5	12000	2
DFECG-101209-NSB-2L	10'	12'	9'	10' 4"	12' 10"	12' 2"	34	5	12000	2
DFECG-101210-NSB-2L	10'	12'	10'	10' 4"	12' 10"	13' 2"	34	5	12000	2
DFECG-101212-NSB-4L	10'	12'	12'	10' 4"	12' 10"	15' 2"	34	5	12000	4

## ENCLOSED FINISHING BOOTHS

## ENCLOSED FINISHING BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights	Optional Lights	Model No. w/ Optional Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM			
12 Ft. Wide Booths												
DFECG-120706-NSB-2L	12'	7'	6'	12' 4"	7' 10"	10' 2"	30	3	8400	2	4	DFECG-120706-NSD-4L
DFECG-120708-NSB-2L	12'	7'	8'	12' 4"	7' 10"	12' 2"	30	3	8400	2	4	DFECG-120708-NSD-4L
DFECG-120709-NSB-2L	12'	7'	9'	12' 4"	7' 10"	13' 2"	30	3	8400	2	4	DFECG-120709-NSD-4L
DFECG-120710-NSB-2L	12'	7'	10'	12' 4"	7' 10"	14' 2"	30	3	8400	2	4	DFECG-120710-NSD-4L
DFECG-120712-NSB-4L	12'	7'	12'	12' 4"	7' 10"	16' 2"	30	3	8400	4	8	DFECG-120712-NSD-8L
DFECG-120806-NSB-2L	12'	8'	6'	12' 4"	8' 10"	10' 2"	34	3	9600	2	4	DFECG-120806-NSD-4L
DFECG-120808-NSB-2L	12'	8'	8'	12' 4"	8' 10"	12' 2"	34	3	9600	2	4	DFECG-120808-NSD-4L
DFECG-120809-NSB-2L	12'	8'	9'	12' 4"	8' 10"	13' 2"	34	3	9600	2	4	DFECG-120809-NSD-4L
DFECG-120810-NSB-2L	12'	8'	10'	12' 4"	8' 10"	14' 2"	34	3	9600	2	4	DFECG-120810-NSD-4L
DFECG-120812-NSB-4L	12'	8'	12'	12' 4"	8' 10"	16' 2"	34	3	9600	4	8	DFECG-120812-NSD-8L
DFECG-121006-NSB-2L	12'	10'	6'	12' 4"	10' 10"	10' 2"	34	5	12000	2	4	DFECG-121006-NSD-4L
DFECG-121008-NSB-2L	12'	10'	8'	12' 4"	10' 10"	12' 2"	34	5	12000	2	4	DFECG-121008-NSD-4L
DFECG-121009-NSB-2L	12'	10'	9'	12' 4"	10' 10"	13' 2"	34	5	12000	2	4	DFECG-121009-NSD-4L
DFECG-121010-NSB-2L	12'	10'	10'	12' 4"	10' 10"	14' 2"	34	5	12000	2	4	DFECG-121010-NSD-4L
DFECG-121012-NSB-4L	12'	10'	12'	12' 4"	10' 10"	16' 2"	34	5	12000	4	8	DFECG-121012-NSD-8L
DFECG-121206-NSB-2L	12'	12'	6'	12' 4"	12' 10"	10' 2"	40	5	14400	2	4	DFECG-121206-NSD-4L
DFECG-121208-NSB-2L	12'	12'	8'	12' 4"	12' 10"	12' 2"	40	5	14400	2	4	DFECG-121208-NSD-4L
DFECG-121209-NSB-2L	12'	12'	9'	12' 4"	12' 10"	13' 2"	40	5	14400	2	4	DFECG-121209-NSD-4L
DFECG-121210-NSB-2L	12'	12'	10'	12' 4"	12' 10"	14' 2"	40	5	14400	2	4	DFECG-121210-NSD-4L
DFECG-121212-NSB-4L	12'	12'	12'	12' 4"	12' 10"	16' 2"	40	5	14400	4	8	DFECG-121212-NSD-8L
14 Ft. Wide Booths												
DFECG-140706-NSB-2L	14'	7'	6'	14' 4"	7' 10"	10' 2"	34	3	9800	2	4	DFECG-140706-NSD-4L
DFECG-140708-NSB-2L	14'	7'	8'	14' 4"	7' 10"	12' 2"	34	3	9800	2	4	DFECG-140708-NSD-4L
DFECG-140709-NSB-2L	14'	7'	9'	14' 4"	7' 10"	13' 2"	34	3	9800	2	4	DFECG-140709-NSD-4L
DFECG-140710-NSB-2L	14'	7'	10'	14' 4"	7' 10"	14' 2"	34	3	9800	2	4	DFECG-140710-NSD-4L
DFECG-140712-NSB-4L	14'	7'	12'	14' 4"	7' 10"	16' 2"	34	3	9800	4	8	DFECG-140712-NSD-8L
DFECG-140806-NSB-2L	14'	8'	6'	14' 4"	8' 10"	10' 2"	34	3	11200	2	4	DFECG-140806-NSD-4L
DFECG-140808-NSB-2L	14'	8'	8'	14' 4"	8' 10"	12' 2"	34	3	11200	2	4	DFECG-140808-NSD-4L
DFECG-140809-NSB-2L	14'	8'	9'	14' 4"	8' 10"	13' 2"	34	3	11200	2	4	DFECG-140809-NSD-4L
DFECG-140810-NSB-2L	14'	8'	10'	14' 4"	8' 10"	14' 2"	34	3	11200	2	4	DFECG-140810-NSD-4L
DFECG-140812-NSB-4L	14'	8'	12'	14' 4"	8' 10"	16' 2"	34	3	11200	4	8	DFECG-140812-NSD-8L
DFECG-141006-NSB-2L	14'	10'	6'	14' 4"	10' 10"	10' 2"	40	5	14000	2	4	DFECG-141006-NSD-4L
DFECG-141008-NSB-2L	14'	10'	8'	14' 4"	10' 10"	12' 2"	40	5	14000	2	4	DFECG-141008-NSD-4L
DFECG-141009-NSB-2L	14'	10'	9'	14' 4"	10' 10"	13' 2"	40	5	14000	2	4	DFECG-141009-NSD-4L
DFECG-141010-NSB-2L	14'	10'	10'	14' 4"	10' 10"	14' 2"	40	5	14000	2	4	DFECG-141010-NSD-4L
DFECG-141012-NSB-4L	14'	10'	12'	14' 4"	10' 10"	16' 2"	40	5	14000	4	8	DFECG-141012-NSD-8L
DFECG-141206-NSB-2L	14'	12'	6'	14' 4"	12' 10"	10' 2"	40	5	16800	2	4	DFECG-141206-NSD-4L
DFECG-141208-NSB-2L	14'	12'	8'	14' 4"	12' 10"	12' 2"	40	5	16800	2	4	DFECG-141208-NSD-4L
DFECG-141209-NSB-2L	14'	12'	9'	14' 4"	12' 10"	13' 2"	40	5	16800	2	4	DFECG-141209-NSD-4L
DFECG-141210-NSB-2L	14'	12'	10'	14' 4"	12' 10"	14' 2"	40	5	16800	2	4	DFECG-141210-NSD-4L
DFECG-141212-NSB-4L	14'	12'	12'	14' 4"	12' 10"	16' 2"	40	5	16800	4	8	DFECG-141212-NSD-8L
16 Ft. Wide Booths												
DFECG-160706-NSB-2L	16'	7'	6'	16' 4"	7' 10"	10' 2"	34	3	11200	2	4	DFECG-160706-NSD-4L
DFECG-160708-NSB-2L	16'	7'	8'	16' 4"	7' 10"	12' 2"	34	3	11200	2	4	DFECG-160708-NSD-4L
DFECG-160709-NSB-2L	16'	7'	9'	16' 4"	7' 10"	13' 2"	34	3	11200	2	4	DFECG-160709-NSD-4L
DFECG-160710-NSB-2L	16'	7'	10'	16' 4"	7' 10"	14' 2"	34	3	11200	2	4	DFECG-160710-NSD-4L
DFECG-160712-NSB-4L	16'	7'	12'	16' 4"	7' 10"	16' 2"	34	3	11200	4	8	DFECG-160712-NSD-8L
DFECG-160806-NSB-2L	16'	8'	6'	16' 4"	8' 10"	10' 2"	34	5	12800	2	4	DFECG-160806-NSD-4L
DFECG-160808-NSB-2L	16'	8'	8'	16' 4"	8' 10"	12' 2"	34	5	12800	2	4	DFECG-160808-NSD-4L
DFECG-160809-NSB-2L	16'	8'	9'	16' 4"	8' 10"	13' 2"	34	5	12800	2	4	DFECG-160809-NSD-4L
DFECG-160810-NSB-2L	16'	8'	10'	16' 4"	8' 10"	14' 2"	34	5	12800	2	4	DFECG-160810-NSD-4L
DFECG-160812-NSB-4L	16'	8'	12'	16' 4"	8' 10"	16' 2"	34	5	12800	4	8	DFECG-160812-NSD-8L
DFECG-161006-NSB-2L	16'	10'	6'	16' 4"	10' 10"	10' 2"	40	5	16000	2	4	DFECG-161006-NSD-4L
DFECG-161008-NSB-2L	16'	10'	8'	16' 4"	10' 10"	12' 2"	40	5	16000	2	4	DFECG-161008-NSD-4L
DFECG-161009-NSB-2L	16'	10'	9'	16' 4"	10' 10"	13' 2"	40	5	16000	2	4	DFECG-161009-NSD-4L
DFECG-161010-NSB-2L	16'	10'	10'	16' 4"	10' 10"	14' 2"	40	5	16000	2	4	DFECG-161010-NSD-4L
DFECG-161012-NSB-4L	16'	10'	12'	16' 4"	10' 10"	16' 2"	40	5	16000	4	8	DFECG-161012-NSD-8L
DFECG-161206-NSB-2L	16'	12'	6'	16' 4"	12' 10"	10' 2"	42	7 1/2	19200	2	4	DFECG-161206-NSD-4L
DFECG-161208-NSB-2L	16'	12'	8'	16' 4"	12' 10"	12' 2"	42	7 1/2	19200	2	4	DFECG-161208-NSD-4L
DFECG-161209-NSB-2L	16'	12'	9'	16' 4"	12' 10"	13' 2"	42	7 1/2	19200	2	4	DFECG-161209-NSD-4L
DFECG-161210-NSB-2L	16'	12'	10'	16' 4"	12' 10"	14' 2"	42	7 1/2	19200	2	4	DFECG-161210-NSD-4L
DFECG-161212-NSB-4L	16'	12'	12'	16' 4"	12' 10"	16' 2"	42	7 1/2	19200	4	8	DFECG-161212-NSD-8L

ENCLOSED FINISHING **BOOTHS**

## ENCLOSED FINISHING BOOTH MODELS

Model No.	Inside Dimensions			Outside Dimensions			Exhaust Fan			No. of Lights	Optional Lights	Model No. w/ Optional Lights
	Width	Height	Depth	Width	Height	Depth	Dia.	HP	SCFM			
18 Ft. Wide Booths												
DFECG-180706-NSB-3L	18'	7'	6'	18' 4"	7' 10"	10' 2"	34	5	12600	3	5	DFECG-180706-NSD-5L
DFECG-180708-NSB-3L	18'	7'	8'	18' 4"	7' 10"	12' 2"	34	5	12600	3	5	DFECG-180708-NSD-5L
DFECG-180709-NSB-3L	18'	7'	9'	18' 4"	7' 10"	13' 2"	34	5	12600	3	5	DFECG-180709-NSD-5L
DFECG-180710-NSB-3L	18'	7'	10'	18' 4"	7' 10"	14' 2"	34	5	12600	3	5	DFECG-180710-NSD-5L
DFECG-180712-NSB-6L	18'	7'	12'	18' 4"	7' 10"	16' 2"	34	5	12600	6	10	DFECG-180712-NSD-10L
DFECG-180806-NSB-3L	18'	8'	6'	18' 4"	8' 10"	10' 2"	40	5	14400	3	5	DFECG-180806-NSD-5L
DFECG-180808-NSB-3L	18'	8'	8'	18' 4"	8' 10"	12' 2"	40	5	14400	3	5	DFECG-180808-NSD-5L
DFECG-180809-NSB-3L	18'	8'	9'	18' 4"	8' 10"	13' 2"	40	5	14400	3	5	DFECG-180809-NSD-5L
DFECG-180810-NSB-3L	18'	8'	10'	18' 4"	8' 10"	14' 2"	40	5	14400	3	5	DFECG-180810-NSD-5L
DFECG-180812-NSB-6L	18'	8'	12'	18' 4"	8' 10"	16' 2"	40	5	14400	6	10	DFECG-180812-NSD-10L
DFECG-181006-NSB-3L	18'	10'	6'	18' 4"	10' 10"	10' 2"	40	5	18000	3	5	DFECG-181006-NSD-5L
DFECG-181008-NSB-3L	18'	10'	8'	18' 4"	10' 10"	12' 2"	40	5	18000	3	5	DFECG-181008-NSD-5L
DFECG-181009-NSB-3L	18'	10'	9'	18' 4"	10' 10"	13' 2"	40	5	18000	3	5	DFECG-181009-NSD-5L
DFECG-181010-NSB-3L	18'	10'	10'	18' 4"	10' 10"	14' 2"	40	5	18000	3	5	DFECG-181010-NSD-5L
DFECG-181012-NSB-6L	18'	10'	12'	18' 4"	10' 10"	16' 2"	40	5	18000	6	10	DFECG-181012-NSD-10L
DFECG-181206-NSB-3L	18'	12'	6'	18' 4"	12' 10"	10' 2"	42	10	21600	3	5	DFECG-181206-NSD-5L
DFECG-181208-NSB-3L	18'	12'	8'	18' 4"	12' 10"	12' 2"	42	10	21600	3	5	DFECG-181208-NSD-5L
DFECG-181209-NSB-3L	18'	12'	9'	18' 4"	12' 10"	13' 2"	42	10	21600	3	5	DFECG-181209-NSD-5L
DFECG-181210-NSB-3L	18'	12'	10'	18' 4"	12' 10"	14' 2"	42	10	21600	3	5	DFECG-181210-NSD-5L
DFECG-181212-NSB-6L	18'	12'	12'	18' 4"	12' 10"	16' 2"	42	10	21600	6	10	DFECG-181212-NSD-10L
20 Ft. Wide Booths												
DFECG-200706-NSB-4L	20'	7'	6'	20' 4"	7' 10"	10' 2"	40	5	14000	4	6	DFECG-200706-NSD-6L
DFECG-200708-NSB-4L	20'	7'	8'	20' 4"	7' 10"	12' 2"	40	5	14000	4	6	DFECG-200708-NSD-6L
DFECG-200709-NSB-4L	20'	7'	9'	20' 4"	7' 10"	13' 2"	40	5	14000	4	6	DFECG-200709-NSD-6L
DFECG-200710-NSB-4L	20'	7'	10'	20' 4"	7' 10"	14' 2"	40	5	14000	4	6	DFECG-200710-NSD-6L
DFECG-200712-NSB-8L	20'	7'	12'	20' 4"	7' 10"	16' 2"	40	5	14000	8	12	DFECG-200712-NSD-12L
DFECG-200806-NSB-4L	20'	8'	6'	20' 4"	8' 10"	10' 2"	40	5	16000	4	6	DFECG-200806-NSD-6L
DFECG-200808-NSB-4L	20'	8'	8'	20' 4"	8' 10"	12' 2"	40	5	16000	4	6	DFECG-200808-NSD-6L
DFECG-200809-NSB-4L	20'	8'	9'	20' 4"	8' 10"	13' 2"	40	5	16000	4	6	DFECG-200809-NSD-6L
DFECG-200810-NSB-4L	20'	8'	10'	20' 4"	8' 10"	14' 2"	40	5	16000	4	6	DFECG-200810-NSD-6L
DFECG-200812-NSB-8L	20'	8'	12'	20' 4"	8' 10"	16' 2"	40	5	16000	8	12	DFECG-200812-NSD-12L
DFECG-201006-NSB-4L	20'	10'	6'	20' 4"	10' 10"	10' 2"	42	7 1/2	20000	4	6	DFECG-201006-NSD-6L
DFECG-201008-NSB-4L	20'	10'	8'	20' 4"	10' 10"	12' 2"	42	7 1/2	20000	4	6	DFECG-201008-NSD-6L
DFECG-201009-NSB-4L	20'	10'	9'	20' 4"	10' 10"	13' 2"	42	7 1/2	20000	4	6	DFECG-201009-NSD-6L
DFECG-201010-NSB-4L	20'	10'	10'	20' 4"	10' 10"	14' 2"	42	7 1/2	20000	4	6	DFECG-201010-NSD-6L
DFECG-201012-NSB-8L	20'	10'	12'	20' 4"	10' 10"	16' 2"	42	7 1/2	20000	8	12	DFECG-201012-NSD-12L
DFECG-201206-NSB-4L	20'	12'	6'	20' 4"	12' 10"	10' 2"	42	10	24000	4	6	DFECG-201206-NSD-6L
DFECG-201208-NSB-4L	20'	12'	8'	20' 4"	12' 10"	12' 2"	42	10	24000	4	6	DFECG-201208-NSD-6L
DFECG-201209-NSB-4L	20'	12'	9'	20' 4"	12' 10"	13' 2"	42	10	24000	4	6	DFECG-201209-NSD-6L
DFECG-201210-NSB-4L	20'	12'	10'	20' 4"	12' 10"	14' 2"	42	10	24000	4	6	DFECG-201210-NSD-6L
DFECG-201212-NSB-8L	20'	12'	12'	20' 4"	12' 10"	16' 2"	42	10	24000	8	12	DFECG-201212-NSD-12L

The following information is consistent across the product line and is not noted in the table:

- Booth Airflow: 100 FPM
- Static Pressure: 1/2 inch
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Additional static pressure may be needed to account for elbows, transitions or additional length



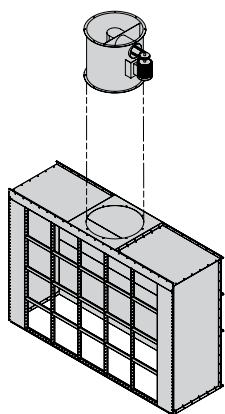
# EXHAUST & INTAKE CHAMBERS



## EXHAUST CHAMBERS

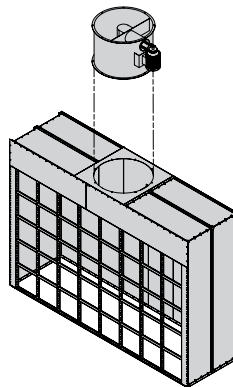
Air is drawn through a filtered exhaust chamber as it exits the booth. Exhaust stacks are required to ventilate the booth to the outside.

**Small Booths:**  
6, 8 or 10 ft. wide



Model No.	SCFM	Fan Dia.	HP
<b>6 ft. Wide Booths</b>			
PEC-0607	4200	24	1
PEC-0608	4800	24	2
PEC-0610	6000	24	2
PEC-0612	7200	30	3
<b>8 ft. Wide Booths</b>			
PEC-0807	5600	24	2
PEC-0808	6400	30	2
PEC-0810	8000	30	3
PEC-0812	9600	30	5
<b>10 ft. Wide Booths</b>			
PEC-1007	7000	30	3
PEC-1008	8000	30	3
PEC-1010	10000	30	5
PEC-1012	12000	34	5

**Large Booths:**  
12, 14, 16, 18 or 20 ft. wide



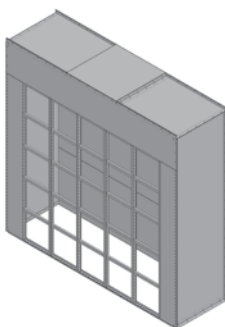
Model No.	SCFM	Fan Dia.	HP
<b>12 ft. Wide Booths</b>			
PEC-1207	8400	30	3
PEC-1208	9600	34	3
PEC-1210	12000	34	5
PEC-1212	14400	40	5
<b>14 ft. Wide Booths</b>			
PEC-1407	9800	34	2
PEC-1408	11200	34	3
PEC-1410	14000	40	5
PEC-1412	16800	40	5
<b>16 ft. Wide Booths</b>			
PEC-1607	11200	34	3
PEC-1608	12800	34	5
PEC-1610	16000	40	5
PEC-1612	19200	40	7.5
<b>18 ft. Wide Booths</b>			
PEC-1807	12600	34	5
PEC-1808	14400	40	5
PEC-1810	18000	40	5
PEC-1812	21600	48	7.5
<b>20 ft. Wide Booths</b>			
PEC-2007	14000	40	5
PEC-2008	16000	40	5
PEC-2010	20000	40	7.5
PEC-2012	24000	48	7.5

The following information is consistent across the product line and is not noted in the table:

- Booth Airflow: 100 FPM
- Static Pressure: 1/2 inch
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Additional static pressure may be needed to account for elbows, transitions or additional length

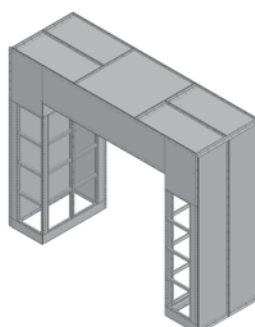
## INTAKE CHAMBERS

Used to enclose or supply air directly to Open Face or Enclosed Finishing Booths for maximum cleanliness or when heated air replacement is used.



### INDUSTRIAL SOLID-BACK INTAKE CHAMBERS

Used to supply replacement air to booths with conveyor openings or booths that use side access doors for product and/or personnel entry and exit.



### BRIDGE INTAKE CHAMBER

Used to supply air to booths with rear product entry and exit doors. The bridge intake chamber may be used with solid entry doors to completely enclose the working area of the booth. When adding a bridge-style chamber, door size will be 2 ft. shorter and 4 ft. narrower than interior booth height and width. An air make-up unit or intake fan can be included.

# LARGE EQUIPMENT BOOTHS

GFS' Large Equipment Paint Booths are designed for long-lasting performance and constructed of high-quality materials for unrivaled structural integrity. As the industry's most comprehensive paint booth line, you can count on GFS Large Equipment Booths to deliver a superior quality finish in the most efficient manner.

The Large Equipment Booth line offers extensive pre-engineered models and options. Pre-engineered models and standard options are fully ETL and ETL-C listed, and meet or exceed industry safety standards, facilitating successful inspections. GFS can also custom build a paint booth in virtually any size and configuration to meet your specific requirements. GFS will work with you to determine the best solution for your needs.

## NON-PRESSURIZED VS. PRESSURIZED BOOTHS

Customers are able to select either non-pressurized or pressurized pre-engineered Large Equipment Paint Booths, depending on their configuration needs.

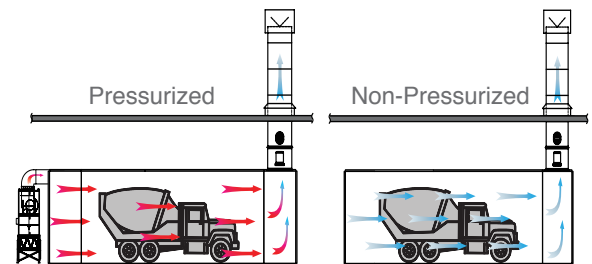
Non-pressurized booths typically use an exhaust fan to draw shop air into the booth through filtered product doors or a filtered ceiling. After the air flows through the booth, it is filtered and exhausted outside. Non-pressurized booths cost less to install and take up less cubic feet of shop space.

Pressurized booths use an air make-up unit or an intake fan to push shop or outside air into the booth through an intake chamber. Pressurized booths provide better control over the temperature inside the booth and allow for features like automatic booth balancing, and flash and cure modes.

## HIGH-PERFORMANCE AIRFLOW

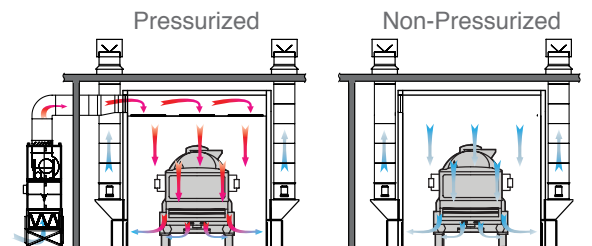
### CROSSDRAFT DESIGN

The simplest, most cost-effective configuration, air flows horizontally through a crossdraft booth, parallel to the floor and over the product. Crossdraft airflow starts at the front of the booth, with air entering the booth through either filtered products doors (non-pressurized booths) or an intake chamber (pressurized booths). Air exits the booth through an exhaust plenum located at the rear of the booth.



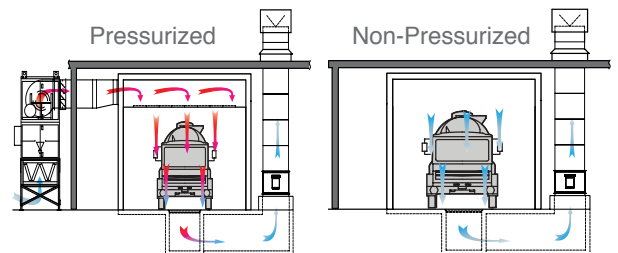
### SIDE DOWNDRAFT DESIGN

Side downdraft booths are an economical solution for shops that aren't able to install a pit. Air comes into the booth through a full-length, filtered ceiling plenum and flows downward over the product. When air reaches the floor, it is pulled into floor-level filtered exhaust plenums on both sides of the booth.



### DOWNDRAFT DESIGN

Generally accepted as the best airflow style, downdraft booths do an excellent job controlling overspray and contamination. Air enters the booth through a full-length, filtered ceiling plenum. From there, air flows vertically over the product and into the filtered exhaust pit in the floor.



# LARGE EQUIPMENT BOOTHS



## BOOTH FEATURES

### HEAVY DUTY MATERIALS & CONSTRUCTION

GFS Large Equipment Booths are constructed from single-skin, 18-gauge, G90 galvanized sheet steel and use 8-by-10 ft. structural steel columns and beams. Horizontal booth panels are assembled onto the booth's frame from the ground up for added structural integrity, simplified installation and fewer height restrictions. Solid nut-and-bolt construction and pre-punched panels ensure consistent alignment and placement.

### SUPERIOR LIGHTING

Designed and manufactured by GFS for optimal brightness and color matching, Large Equipment Booths feature integrated four-tube, inside-access fluorescent light fixtures. Light fixtures are ETL and ETL-C listed, and come complete with T8 ballasts and color-corrected tubes.

### FANS & MOTORS

High-powered fans and motors supply optimal airflow throughout the paint booth, creating a cleaner environment for a better paint job. Each Large Equipment Paint Booth includes a non-sparking, tube axial exhaust fan(s) with belt guards and duct connector ring, along with a UL/CUL and CSA recognized three-phase, TEFC, tri-voltage motor.

### FULLY ETL & ETL-C LISTED

Pre-engineered Large Equipment models and options are fully ETL and ETL-C listed, ensuring that the entire booth complies with applicable safety codes and meets performance requirements. ETL listing facilitates successful inspections and demonstrates that Large Equipment Booths have completed independent, third-party review.

### BOOTH DOORS

Swing-type product doors (either filtered or solid, depending on airflow and pressurization) and at least one personnel door come standard with each pre-engineered Large Equipment Booth. Doors feature heavy-duty hinges with plate steel and replaceable brass brushings. Hinges guarantee long-lasting performance with no sagging.

### CONTROL PANELS

A UL/CUL listed electromechanical or Velocity™ control panel is available with each Large Equipment Paint Booth, although highly customized booths may require a custom control panel. Electromechanical control panels are suited for non-pressurized booths, and are used to operate booth exhaust, safety interlocks and lights. The Velocity control panel offers additional features, including an Allen-Bradley touch screen interface, management of spray, cure and flash modes and auto-balancing on pressurized booths.

### SAFETY FEATURES

To ensure the safety of painters and equipment, a manometer and air solenoid valve are included with all Large Equipment Booths to maintain an optimal working environment inside the booth. Manometers monitor overspray buildup on exhaust filters, while air solenoid valves prevent spraying in the booth when fans are off or light covers are open. Limit switches come standard on pressurized booths to safely shut down spray guns when the booth doors are open.

### EASY FILTER REPLACEMENT

GFS Enclosed Finishing Paint Booths come complete with a full set of high-efficiency, 20-by-20-inch GFS Wave exhaust and tacky intake filters. Installing and replacing filters is easy with the grid system; you can avoid waste and save cost by replacing only the filter squares that need changing. An included manometer indicates when filters need to be replaced.

# LARGE EQUIPMENT BOOTHS



## BOOTH OPTIONS

### WHITE PRE-COAT

18-gauge sheet steel panels and I-beams with a white powder-coated finish are available as a pre-engineered option for better light reflectivity and improved resistance to humidity and corrosion.

### AIR MAKE-UP UNIT (AMU)

Capable of a 100-degree temperature rise and cure mode for pressurized booths, AMUs provide an economical source of replacement air to the booth and building. All GFS air make-up units are ETL and ETL-C listed and designed to meet all NFPA 86 requirements. For additional AMU information, refer to the Air Replacement Unit section on page 50.

### LIGHTING OPTIONS

Six-tube fluorescent light fixtures with T8 ballasts are available to provide additional lighting in critical areas without additional installation costs. Light reflectors can be added behind fluorescent bulbs to achieve greater luminosity.

Four or six-tube LED fixtures are also available for added brightness and energy savings. These fixtures use GFS standard 48 in. inside-access fixtures and twist-style replacement.

### AIR PROVING SWITCH

Air proving switches automatically measure air pressure in the exhaust ductwork during booth operation to ensure that the exhaust fan is moving air and operating as expected. Air proving switches function as an additional safety check to ensure that the percentage of flammable vapors in the air remains within safe limits.

**Note:** Air proving switches are required for all booths installed in Canada.

### BOOTH DOOR OPTIONS

Product door configurations such as roll-up, two-panel swing, bi-fold or drive-thru are available to accommodate customer space restrictions, and support specific painting and finishing workflows. Additional personnel doors can be added to Large Equipment Paint Booths for easier access to the inside of the booth.

### DRIVE-THRU BOOTH CONFIGURATION

A drive-thru booth configuration can be advantageous based on the layout of the customer's paint line. Sometimes the location of the booth and process flow dictate the necessary configuration.

### OBSERVATION WINDOWS

Clear, tempered glass observation windows come standard in all personnel doors, but can also be added to booth walls and product doors to monitor robotics, painters or booth modes.



# LARGE EQUIPMENT BOOTHS



## CUSTOM OPTIONS

To meet very specific configuration and usability requirements, GFS offers highly customized booth options that can be fully integrated into Large Equipment Booths. One of GFS' greatest strengths is the ability to design and engineer highly specialized products. Custom options like crane slots, conveyor openings, personnel lifts, door and light options, multi-stage filtration and customized controls are precisely designed to integrate with your paint booth.

### CONVEYOR OPENINGS

Designed to move parts past the painter or an automatic spray gun, conveyor openings allow rails to run through the booth for increased automation and productivity.

### CRANE SLOTS

Crane slots allow a bridge crane to move heavy parts or machinery into a paint booth. Crane slots can be designed to allow the bridge crane to run completely through the booth or enter and exit the same way after the product has been painted or finished.

### CUSTOM CONTROLS

Control panels can be customized to integrate with direct-fire controls, building controls, highly customized booths and other shop functions.

### DUAL-SKIN PANELS

Dual-skin panels are pre-coated white to create a smooth, bright appearance inside and outside the paint booth. Dual skin panels easily lock together and are designed so light fixtures fit flush against interior and exterior walls. The space between the panels is insulated to minimize noise transfer while the booth is in use.



# LARGE EQUIPMENT BOOTHS



## CUSTOM OPTIONS

### PERSONNEL LIFTS

Personnel lifts allow painters to safely move around tall vehicles or equipment in a basket lift to make difficult-to-reach places more accessible.

### OUTDOOR BOOTHS

GFS Outdoor Paint Booths are built to meet all the same requirements as indoor booths along with additional code requirements for wind, snow and seismic loads. Outdoor Booths consist of the interior booth, an exterior shell and the support structure in between, and are well-insulated and built to withstand outside elements.

### MULTI-STAGE FILTRATION

Local codes or the National Emission Standards for Hazardous Air Pollutants (NESHAP) may require three-stage filtration in certain situations. Additionally, end users may want to add roll media in front of panel filters to extend the life of more expensive downstream filters and reduce downtime due to filter replacement.

### ADDITIONAL SAFETY OPTIONS

Dirty filter shutdown and other safety options are available on GFS paint booths. Dirty filter shutdown signals when filters become loaded and reach a high level of static pressure. If the filters are not replaced, the booth will shut down and remain so until the filters are replaced.



# LARGE EQUIPMENT BOOTHS

## LARGE EQUIPMENT FEATURES & OPTIONS MATRIX

Refer to the following matrix to determine which booth features are standard (pre-engineered), optional and custom. Custom options require coordination with a GFS Sales Representative, custom engineering and additional lead times. Pre-engineered features and options can be easily selected within the Industrial Product Configurator Tool.

S - STANDARD

O - OPTION

C - CUSTOM

Features & Options		Non-Pressurized Crossdraft	Pressurized Crossdraft	Non-Pressurized Side Downdraft	Pressurized Side Downdraft	Non-Pressurized Downdraft	Pressurized Downdraft
Construction	18- Gauge Galvanized	S	S	S	S	S	S
	Conveyor Or Monorail Supports	C	C	C	C	C	C
	Corner-Style (No Bridge) Intake & Exhaust Chambers	C	C	C	C	C	C
	Custom Depth, Width & Height	C	C	C	C	C	C
	Dual-Skin Insulated Panels (Outdoor Booths)	C	C	C	C	C	C
	Horizontal Panels	S	S	S	S	S	S
	Single-Skin Panels	S	S	S	S	S	S
	White Pre-Coated Panels	O	O	O	O	O	O
Controls	Electromechanical CP	S	O	S		S	
	Velocity CP		S		S		S
Doors & Windows	Additional Personnel Doors (Quantity Selectable)	O	O	O	O	O	O
	Drive-Thru Door	O	O	O	O	O	O
	Filtered Bi-Fold Doors	O					
	Filtered Swing Door	S					
	Limit Switches on Product & Personnel Doors	O	S	O	S	O	S
	Personnel Door(S)	S	S	S	S	S	S
	Roll-Up Doors		O	O	O	O	O
	Sliding Doors	C	C	C	C	C	C
	Solid Bi-Fold Doors		O	O	O	O	O
	Solid Swing Doors		S	S	S	S	S
	Wall Observation Window Kits Field Install	O	O	O	O	O	O
Lighting	4-Tube Lighting/T8 Ballasts	S	S	S	S	S	S
	6-Tube Lighting/T8 Ballasts	O	O	O	O	O	O
	LED Four-Tube or Six-Tube	O	O	O	O	O	O
	Light Reflectors	O	O	O	O	O	O
Pressurization	Air Make-Up Unit	O	S	O	S	O	S
	Auto-Balance		S		S		S
	Cure Mode		S		S		S
	Intake Fan*		O		C		C
	Manual VFD or Consta-Flow	O		O		O	
	Recirculating Cure Mode		C		C		C
Safety	Air Solenoid Valve	S	S	S	S	S	S
	Multi-Stage Filtration	C	C	C	C	C	C
	Seismic Construction	C	C	C	C	C	C

**Note:** Intake fan usage with pressurized crossdraft booths requires consultation with GFS Sales.

## LARGE EQUIPMENT BOOTHS

## CROSSDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan			
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM	QTY
14 ft. Inside Width														
Non Pressurized	LECDG-141430-NSB	14	14	30	15'-4"	14'-8"	30'-4"	15	1	10' W x 12' H	40"	7.5	19600	1
	LECDG-141434-NSB	14	14	34	15'-4"	14'-8"	34'-4"	15	1	10' W x 12' H	40"	7.5	19600	1
	LECDG-141440-NSB	14	14	40	15'-4"	14'-8"	40'-4"	20	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141444-NSB	14	14	44	15'-4"	14'-8"	44'-4"	20	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141450-NSB	14	14	50	15'-4"	14'-8"	50'-4"	25	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141454-NSB	14	14	54	15'-4"	14'-8"	54'-4"	25	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141460-NSB	14	14	60	15'-4"	14'-8"	60'-4"	30	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141464-NSB	14	14	64	15'-4"	14'-8"	64'-4"	30	2	10' W x 12' H	40"	7.5	19600	1
Pressurized	LECDG-141430-PSB	14	14	30	15'-4"	14'-8"	30'-4"	15	1	10' W x 12' H	40"	7.5	19600	1
	LECDG-141434-PSB	14	14	34	15'-4"	14'-8"	34'-4"	15	1	10' W x 12' H	40"	7.5	19600	1
	LECDG-141440-PSB	14	14	40	15'-4"	14'-8"	40'-4"	20	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141444-PSB	14	14	44	15'-4"	14'-8"	44'-4"	20	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141450-PSB	14	14	50	15'-4"	14'-8"	50'-4"	25	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141454-PSB	14	14	54	15'-4"	14'-8"	54'-4"	25	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141460-PSB	14	14	60	15'-4"	14'-8"	60'-4"	30	2	10' W x 12' H	40"	7.5	19600	1
	LECDG-141464-PSB	14	14	64	15'-4"	14'-8"	64'-4"	30	2	10' W x 12' H	40"	7.5	19600	1
16 ft. Inside Width														
Non Pressurized	LECDG-161430-NSB	16'	14'	30'	17' 4"	14' 8"	30' 4"	21	1	12' W x 12' H	40"	7.5	22400	1
	LECDG-161434-NSB	16'	14'	34'	17' 4"	14' 8"	34' 4"	21	1	12' W x 12' H	40"	7.5	22400	1
	LECDG-161440-NSB	16'	14'	40'	17' 4"	14' 8"	40' 4"	28	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161444-NSB	16'	14'	44'	17' 4"	14' 8"	44' 4"	28	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161450-NSB	16'	14'	50'	17' 4"	14' 8"	50' 4"	35	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161454-NSB	16'	14'	54'	17' 4"	14' 8"	54' 4"	35	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161460-NSB	16'	14'	60'	17' 4"	14' 8"	60' 4"	42	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161464-NSB	16'	14'	64'	17' 4"	14' 8"	64' 4"	42	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161630-NSB	16'	16'	30'	17' 4"	16' 8"	30' 4"	21	1	12' W x 14' H	42"	7.5	25600	1
	LECDG-161634-NSB	16'	16'	34'	17' 4"	16' 8"	34' 4"	21	1	12' W x 14' H	42"	7.5	25600	1
	LECDG-161640-NSB	16'	16'	40'	17' 4"	16' 8"	40' 4"	28	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161644-NSB	16'	16'	44'	17' 4"	16' 8"	44' 4"	28	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161650-NSB	16'	16'	50'	17' 4"	16' 8"	50' 4"	35	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161654-NSB	16'	16'	54'	17' 4"	16' 8"	54' 4"	35	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161660-NSB	16'	16'	60'	17' 4"	16' 8"	60' 4"	42	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161664-NSB	16'	16'	64'	17' 4"	16' 8"	64' 4"	42	2	12' W x 14' H	42"	7.5	25600	1

The following information is consistent for Crossdraft Large Equipment Paint Booths and is not noted in the table:

- Booth Airflow: 100 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length

# LARGE EQUIPMENT BOOTHS

## CROSSDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan			
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM	QTY
16 ft. Inside Width														
Pressurized	LECDG-161430-PSB	16'	14'	30'	17' 4"	14' 8"	30' 4"	21	1	12' W x 12' H	40"	7.5	22400	1
	LECDG-161434-PSB	16'	14'	34'	17' 4"	14' 8"	34' 4"	21	1	12' W x 12' H	40"	7.5	22400	1
	LECDG-161440-PSB	16'	14'	40'	17' 4"	14' 8"	40' 4"	28	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161444-PSB	16'	14'	44'	17' 4"	14' 8"	44' 4"	28	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161450-PSB	16'	14'	50'	17' 4"	14' 8"	50' 4"	35	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161454-PSB	16'	14'	54'	17' 4"	14' 8"	54' 4"	35	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161460-PSB	16'	14'	60'	17' 4"	14' 8"	60' 4"	42	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161464-PSB	16'	14'	64'	17' 4"	14' 8"	64' 4"	42	2	12' W x 12' H	40"	7.5	22400	1
	LECDG-161630-PSB	16'	16'	30'	17' 4"	16' 8"	30' 4"	21	1	12' W x 14' H	42"	7.5	25600	1
	LECDG-161634-PSB	16'	16'	34'	17' 4"	16' 8"	34' 4"	21	1	12' W x 14' H	42"	7.5	25600	1
	LECDG-161640-PSB	16'	16'	40'	17' 4"	16' 8"	40' 4"	28	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161644-PSB	16'	16'	44'	17' 4"	16' 8"	44' 4"	28	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161650-PSB	16'	16'	50'	17' 4"	16' 8"	50' 4"	35	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161654-PSB	16'	16'	54'	17' 4"	16' 8"	54' 4"	35	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161660-PSB	16'	16'	60'	17' 4"	16' 8"	60' 4"	42	2	12' W x 14' H	42"	7.5	25600	1
	LECDG-161664-PSB	16'	16'	64'	17' 4"	16' 8"	64' 4"	42	2	12' W x 14' H	42"	7.5	25600	1
18 ft. Inside Width														
Non Pressurized	LECDG-181630-NSB	18'	16'	30'	19' 4"	16' 8"	30' 4"	21	1	14' W x 14' H	42"	10	28800	1
	LECDG-181634-NSB	18'	16'	34'	19' 4"	16' 8"	34' 4"	21	1	14' W x 14' H	42"	10	28800	1
	LECDG-181640-NSB	18'	16'	40'	19' 4"	16' 8"	40' 4"	28	2	14' W x 14' H	42"	10	28800	1
	LECDG-181644-NSB	18'	16'	44'	19' 4"	16' 8"	44' 4"	28	2	14' W x 14' H	42"	10	28800	1
	LECDG-181650-NSB	18'	16'	50'	19' 4"	16' 8"	50' 4"	35	2	14' W x 14' H	42"	10	28800	1
	LECDG-181654-NSB	18'	16'	54'	19' 4"	16' 8"	54' 4"	35	2	14' W x 14' H	42"	10	28800	1
	LECDG-181660-NSB	18'	16'	60'	19' 4"	16' 8"	60' 4"	42	2	14' W x 14' H	42"	10	28800	1
	LECDG-181664-NSB	18'	16'	64'	19' 4"	16' 8"	64' 4"	42	2	14' W x 14' H	42"	10	28800	1
	LECDG-181830-NSB	18'	18'	30'	19' 4"	18' 8"	30' 4"	27	1	14' W x 16' H	48"	10	32400	1
	LECDG-181834-NSB	18'	18'	34'	19' 4"	18' 8"	34' 4"	27	1	14' W x 16' H	48"	10	32400	1
	LECDG-181840-NSB	18'	18'	40'	19' 4"	18' 8"	40' 4"	36	2	14' W x 16' H	48"	10	32400	1
	LECDG-181844-NSB	18'	18'	44'	19' 4"	18' 8"	44' 4"	36	2	14' W x 16' H	48"	10	32400	1
	LECDG-181850-NSB	18'	18'	50'	19' 4"	18' 8"	50' 4"	45	2	14' W x 16' H	48"	10	32400	1
	LECDG-181854-NSB	18'	18'	54'	19' 4"	18' 8"	54' 4"	45	2	14' W x 16' H	48"	10	32400	1
	LECDG-181860-NSB	18'	18'	60'	19' 4"	18' 8"	60' 4"	54	2	14' W x 16' H	48"	10	32400	1
	LECDG-181864-NSB	18'	18'	64'	19' 4"	18' 8"	64' 4"	54	2	14' W x 16' H	48"	10	32400	1

The following information is consistent for Crossdraft Large Equipment Paint Booths and is not noted in the table:

- Booth Airflow: 100 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length



## LARGE EQUIPMENT BOOTHS

## CROSSDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan			
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM	QTY
18 ft. Inside Width														
Pressurized	LECDG-181630-PSB	18'	16'	30'	19' 4"	16' 8"	30' 4"	14	1	14' W x 14' H	42"	10	28800	1
	LECDG-181634-PSB	18'	16'	34'	19' 4"	16' 8"	34' 4"	21	1	14' W x 14' H	42"	10	28800	1
	LECDG-181640-PSB	18'	16'	40'	19' 4"	16' 8"	40' 4"	21	2	14' W x 14' H	42"	10	28800	1
	LECDG-181644-PSB	18'	16'	44'	19' 4"	16' 8"	44' 4"	28	2	14' W x 14' H	42"	10	28800	1
	LECDG-181650-PSB	18'	16'	50'	19' 4"	16' 8"	50' 4"	28	2	14' W x 14' H	42"	10	28800	1
	LECDG-181654-PSB	18'	16'	54'	19' 4"	16' 8"	54' 4"	35	2	14' W x 14' H	42"	10	28800	1
	LECDG-181660-PSB	18'	16'	60'	19' 4"	16' 8"	60' 4"	35	2	14' W x 14' H	42"	10	28800	1
	LECDG-181664-PSB	18'	16'	64'	19' 4"	16' 8"	64' 4"	42	2	14' W x 14' H	42"	10	28800	1
	LECDG-181830-PSB	18'	18'	30'	19' 4"	18' 8"	30' 4"	18	1	14' W x 16' H	48"	10	32400	1
	LECDG-181834-PSB	18'	18'	34'	19' 4"	18' 8"	34' 4"	27	1	14' W x 16' H	48"	10	32400	1
	LECDG-181840-PSB	18'	18'	40'	19' 4"	18' 8"	40' 4"	27	2	14' W x 16' H	48"	10	32400	1
	LECDG-181844-PSB	18'	18'	44'	19' 4"	18' 8"	44' 4"	36	2	14' W x 16' H	48"	10	32400	1
	LECDG-181850-PSB	18'	18'	50'	19' 4"	18' 8"	50' 4"	36	2	14' W x 16' H	48"	10	32400	1
	LECDG-181854-PSB	18'	18'	54'	19' 4"	18' 8"	54' 4"	45	2	14' W x 16' H	48"	10	32400	1
	LECDG-181860-PSB	18'	18'	60'	19' 4"	18' 8"	60' 4"	45	2	14' W x 16' H	48"	10	32400	1
	LECDG-181864-PSB	18'	18'	64'	19' 4"	18' 8"	64' 4"	54	2	14' W x 16' H	48"	10	32400	1
20 ft. Inside Width														
Non Pressurized	LECDG-201630-NSB	20'	16'	30'	21' 4"	16' 10"	30' 4"	21	1	16' W x 14' H	48"	10	32000	1
	LECDG-201634-NSB	20'	16'	34'	21' 4"	16' 10"	34' 4"	21	1	16' W x 14' H	48"	10	32000	1
	LECDG-201640-NSB	20'	16'	40'	21' 4"	16' 10"	40' 4"	28	2	16' W x 14' H	48"	10	32000	1
	LECDG-201644-NSB	20'	16'	44'	21' 4"	16' 10"	44' 4"	28	2	16' W x 14' H	48"	10	32000	1
	LECDG-201650-NSB	20'	16'	50'	21' 4"	16' 10"	50' 4"	35	2	16' W x 14' H	48"	10	32000	1
	LECDG-201654-NSB	20'	16'	54'	21' 4"	16' 10"	54' 4"	35	2	16' W x 14' H	48"	10	32000	1
	LECDG-201660-NSB	20'	16'	60'	21' 4"	16' 10"	60' 4"	42	2	16' W x 14' H	48"	10	32000	1
	LECDG-201664-NSB	20'	16'	64'	21' 4"	16' 10"	64' 4"	42	2	16' W x 14' H	48"	10	32000	1
	LECDG-201830-NSB	20'	18'	30'	21' 4"	18' 10"	30' 4"	27	1	16' W x 16' H	36"	7.5	36000	2
	LECDG-201834-NSB	20'	18'	34'	21' 4"	18' 10"	34' 4"	27	1	16' W x 16' H	36"	7.5	36000	2
	LECDG-201840-NSB	20'	18'	40'	21' 4"	18' 10"	40' 4"	36	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201844-NSB	20'	18'	44'	21' 4"	18' 10"	44' 4"	36	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201850-NSB	20'	18'	50'	21' 4"	18' 10"	50' 4"	45	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201854-NSB	20'	18'	54'	21' 4"	18' 10"	54' 4"	45	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201860-NSB	20'	18'	60'	21' 4"	18' 10"	60' 4"	54	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201864-NSB	20'	18'	64'	21' 4"	18' 10"	64' 4"	54	2	16' W x 16' H	36"	7.5	36000	2
Pressurized	LECDG-201630-PSB	20'	16'	30'	21' 4"	16' 10"	30' 4"	14	1	16' W x 14' H	48"	10	32000	1
	LECDG-201634-PSB	20'	16'	34'	21' 4"	16' 10"	34' 4"	21	1	16' W x 14' H	48"	10	32000	1
	LECDG-201640-PSB	20'	16'	40'	21' 4"	16' 10"	40' 4"	21	2	16' W x 14' H	48"	10	32000	1
	LECDG-201644-PSB	20'	16'	44'	21' 4"	16' 10"	44' 4"	28	2	16' W x 14' H	48"	10	32000	1
	LECDG-201650-PSB	20'	16'	50'	21' 4"	16' 10"	50' 4"	28	2	16' W x 14' H	48"	10	32000	1
	LECDG-201654-PSB	20'	16'	54'	21' 4"	16' 10"	54' 4"	35	2	16' W x 14' H	48"	10	32000	1
	LECDG-201660-PSB	20'	16'	60'	21' 4"	16' 10"	60' 4"	35	2	16' W x 14' H	48"	10	32000	1
	LECDG-201664-PSB	20'	16'	64'	21' 4"	16' 10"	64' 4"	42	2	16' W x 14' H	48"	10	32000	1
	LECDG-201830-PSB	20'	18'	30'	21' 4"	18' 10"	30' 4"	18	1	16' W x 16' H	36"	7.5	36000	2
	LECDG-201834-PSB	20'	18'	34'	21' 4"	18' 10"	34' 4"	27	1	16' W x 16' H	36"	7.5	36000	2
	LECDG-201840-PSB	20'	18'	40'	21' 4"	18' 10"	40' 4"	27	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201844-PSB	20'	18'	44'	21' 4"	18' 10"	44' 4"	36	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201850-PSB	20'	18'	50'	21' 4"	18' 10"	50' 4"	36	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201854-PSB	20'	18'	54'	21' 4"	18' 10"	54' 4"	45	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201860-PSB	20'	18'	60'	21' 4"	18' 10"	60' 4"	45	2	16' W x 16' H	36"	7.5	36000	2
	LECDG-201864-PSB	20'	18'	64'	21' 4"	18' 10"	64' 4"	54	2	16' W x 16' H	36"	7.5	36000	2

The following information is consistent for Crossdraft Large Equipment Paint Booths and is not noted in the table:

- Booth Airflow: 100 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length

# LARGE EQUIPMENT BOOTHS



## LARGE EQUIPMENT BOOTHS

## SIDE DOWNDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan		
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM
16 ft. Inside Width													
Non Pressurized	LESDG-161640-NSB	16'	16'	40'	24' 4"	16' 8"	40' 4"	24	2	12' W x 14' H	30"	3	32000
	LESDG-161650-NSB	16'	16'	50'	24' 4"	16' 8"	50' 4"	30	2	12' W x 14' H	30"	5	40000
	LESDG-161660-NSB	16'	16'	60'	24' 4"	16' 8"	60' 4"	36	2	12' W x 14' H	34"	5	48000
Pressurized	LESDG-161640-PSB	16'	16'	40'	24' 4"	19' 8"	40' 4"	24	2	12' W x 14' H	30"	3	32000
	LESDG-161650-PSB	16'	16'	50'	24' 4"	19' 8"	50' 4"	30	2	12' W x 14' H	30"	5	40000
	LESDG-161660-PSB	16'	16'	60'	24' 4"	19' 8"	60' 4"	36	2	12' W x 14' H	34"	5	48000
18 ft. Inside Width													
Non Pressurized	LESDG-181640-NSB	18'	16'	40'	26' 4"	16' 8"	40' 4"	28	2	14' W x 14' H	30"	5	36000
	LESDG-181650-NSB	18'	16'	50'	26' 4"	16' 8"	50' 4"	35	2	14' W x 14' H	34"	5	45000
	LESDG-181660-NSB	18'	16'	60'	26' 4"	16' 8"	60' 4"	42	2	14' W x 14' H	36"	5	54000
	LESDG-181840-NSB	18'	18'	40'	26' 4"	18' 8"	40' 4"	36	2	14' W x 16' H	30"	5	36000
	LESDG-181850-NSB	18'	16'	50'	26' 4"	18' 8"	50' 4"	45	2	14' W x 16' H	34"	5	45000
	LESDG-181860-NSB	18'	16'	60'	26' 4"	18' 8"	60' 4"	54	2	14' W x 16' H	36"	5	54000
Pressurized	LESDG-181640-PSB	18'	16'	40'	26' 4"	19' 8"	40' 4"	28	2	14' W x 14' H	30"	5	36000
	LESDG-181650-PSB	18'	16'	50'	26' 4"	19' 8"	50' 4"	35	2	14' W x 14' H	34"	5	45000
	LESDG-181660-PSB	18'	16'	60'	26' 4"	19' 8"	60' 4"	42	2	14' W x 14' H	36"	5	54000
	LESDG-181840-PSB	18'	18'	40'	26' 4"	21' 8"	40' 4"	36	2	14' W x 16' H	30"	5	36000
	LESDG-181850-PSB	18'	18'	50'	26' 4"	21' 8"	50' 4"	45	2	14' W x 16' H	34"	5	45000
	LESDG-181860-PSB	18'	18'	60'	26' 4"	21' 8"	60' 4"	54	2	14' W x 16' H	36"	5	54000
20 ft. Inside Width													
Non Pressurized	LESDG-201640-NSB	20'	16'	40'	28' 4"	16' 8"	40' 4"	28	2	16' W x 14' H	30"	5	40000
	LESDG-201650-NSB	20'	16'	50'	28' 4"	16' 8"	50' 4"	35	2	16' W x 14' H	34"	5	50000
	LESDG-201660-NSB	20'	16'	60'	28' 4"	16' 8"	60' 4"	42	2	16' W x 14' H	36"	5	60000
Pressurized	LESDG-201640-PSB	20'	16'	40'	28' 4"	19' 8"	40' 4"	28	2	16' W x 14' H	48"	5	40000
	LESDG-201650-PSB	20'	16'	50'	28' 4"	19' 8"	50' 4"	35	2	16' W x 14' H	48"	5	50000
	LESDG-201660-PSB	20'	16'	60'	28' 4"	19' 8"	60' 4"	42	2	16' W x 14' H	48"	5	60000

The following information is consistent for Side Downdraft Large Equipment Paint Booths and is not noted in the table:

- Booth Airflow: 50 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Exhaust Fans: 4
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length

# LARGE EQUIPMENT BOOTHS



# LARGE EQUIPMENT BOOTHS

## DOWNDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan		
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM
16 ft. Inside Width													
Non Pressurized	LEDDG-161640-NSB	16'	16'	40'	17' 4"	16' 8"	40' 4"	24	2	12' W x 14' H	40"	5	32000
	LEDDG-161650-NSB	16'	16'	50'	17' 4"	16' 8"	50' 4"	30	2	12' W x 14' H	42"	7.5	40000
	LEDDG-161660-NSB	16'	16'	60'	17' 4"	16' 8"	60' 4"	36	2	12' W x 14' H	42"	7.5	48000
Pressurized	LEDDG-161640-PSB	16'	16'	40'	17' 4"	19' 8"	40' 4"	24	2	12' W x 14' H	40"	5	32000
	LEDDG-161650-PSB	16'	16'	50'	17' 4"	19' 8"	50' 4"	30	2	12' W x 14' H	42"	7.5	40000
	LEDDG-161660-PSB	16'	16'	60'	17' 4"	19' 8"	60' 4"	36	2	12' W x 14' H	42"	7.5	48000
18 ft. Inside Width													
Non Pressurized	LEDDG-181640-NSB	18'	16'	40'	19' 4"	16' 8"	40' 4"	28	2	14' W x 14' H	40"	7.5	36000
	LEDDG-181650-NSB	18'	16'	50'	19' 4"	16' 8"	50' 4"	35	2	14' W x 14' H	42"	7.5	45000
	LEDDG-181660-NSB	18'	16'	60'	19' 4"	16' 8"	60' 4"	42	2	14' W x 14' H	42"	7.5	54000
	LEDDG-181840-NSB	18'	18'	40'	19' 4"	18' 8"	40' 4"	36	2	14' W x 16' H	40"	7.5	36000
	LEDDG-181850-NSB	18'	18'	50'	19' 4"	18' 8"	50' 4"	45	2	14' W x 16' H	42"	7.5	45000
	LEDDG-181860-NSB	18'	18'	60'	19' 4"	18' 8"	60' 4"	54	2	14' W x 16' H	42"	7.5	54000
Pressurized	LEDDG-181640-PSB	18'	16'	40'	19' 4"	19' 8"	40' 4"	28	2	14' W x 14' H	40"	7.5	36000
	LEDDG-181650-PSB	18'	16'	50'	19' 4"	19' 8"	50' 4"	35	2	14' W x 14' H	42"	7.5	45000
	LEDDG-181660-PSB	18'	16'	60'	19' 4"	19' 8"	60' 4"	42	2	14' W x 14' H	42"	7.5	54000
	LEDDG-181840-PSB	18'	18'	40'	19' 4"	21' 8"	40' 4"	36	2	14' W x 16' H	40"	7.5	36000
	LEDDG-181850-PSB	18'	18'	50'	19' 4"	21' 8"	50' 4"	45	2	14' W x 16' H	42"	7.5	45000
	LEDDG-181860-PSB	18'	18'	60'	19' 4"	21' 8"	60' 4"	54	2	14' W x 16' H	42"	7.5	54000
20 ft. Inside Width													
Non Pressurized	LEDDG-201640-NSB	20'	16'	40'	21' 4"	16' 8"	40' 4"	28	2	16' W x 14' H	42"	7.5	40000
	LEDDG-201650-NSB	20'	16'	50'	21' 4"	16' 8"	50' 4"	35	2	16' W x 14' H	42"	10	50000
	LEDDG-201660-NSB	20'	16'	60'	21' 4"	16' 8"	60' 4"	42	2	16' W x 14' H	48"	10	60000
Pressurized	LEDDG-201640-PSB	20'	16'	40'	21' 4"	19' 8"	40' 4"	28	2	16' W x 14' H	42"	7.5	40000
	LEDDG-201650-PSB	20'	16'	50'	21' 4"	19' 8"	50' 4"	35	2	16' W x 14' H	42"	10	50000
	LEDDG-201660-PSB	20'	16'	60'	21' 4"	19' 8"	60' 4"	42	2	16' W x 14' H	48"	10	60000

The following information is consistent for Downdraft Large Equipment Paint Booths and is not noted in the table:

- Booth Airflow: 50 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Exhaust Fans: 2
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length



# LARGE EQUIPMENT BOOTHS



# GENERAL PURPOSE BOOTHS

GFS' General Purpose Paint Booths are high-quality, cost-effective solutions for industrial manufacturers and businesses that need to paint equipment, utility vehicles and trucks that are too large for traditional automotive refinish booths but too small for our Large Equipment Paint Booth line.

Pre-engineered models and standard options are fully ETL and ETL-C listed, and meet or exceed industry safety standards. They feature excellent lighting, airflow and filtration for achieving high-quality paint finishes. Precision engineered and manufactured with durable materials, General Purpose Booths are designed to last many years of use.

## NON-PRESSURIZED VS. PRESSURIZED BOOTHS

Customers are able to select either non-pressurized or pressurized pre-engineered General Purpose Paint Booths, depending on their configuration needs.

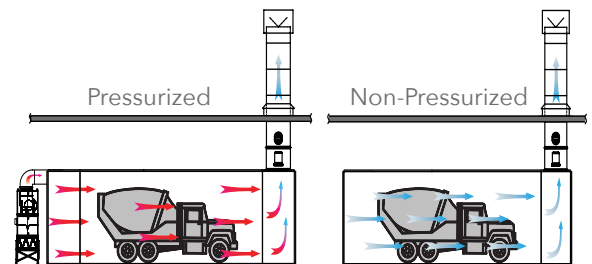
Non-pressurized booths typically use an exhaust fan to draw shop air into the booth through filtered product doors or a filtered ceiling. After the air flows through the booth, it is filtered and exhausted outside. Non-pressurized booths cost less to install and take up less cubic feet of shop space.

Pressurized booths use an air make-up unit or an intake fan to push shop or outside air into the booth through an intake chamber or a full-length ceiling plenum. Pressurized booths provide better control over the temperature and pressure inside the booth, and allow for features like automatic booth balancing and flash and cure modes.

## HIGH-PERFORMANCE AIRFLOW

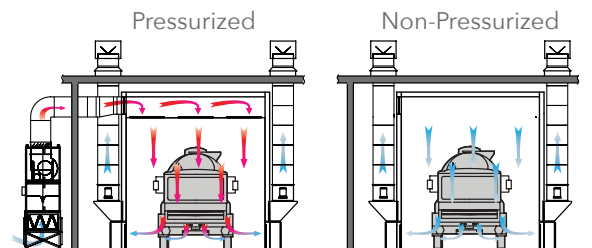
### CROSSDRAFT

The simplest, most cost-effective configuration, air flows horizontally through a crossdraft booth, parallel to the floor and over the product. Crossdraft airflow starts at the front of the booth, with air entering the booth through either filtered products doors (non-pressurized booths) or an intake chamber (pressurized booths). Air exits the booth through an exhaust plenum located at the rear of the booth.



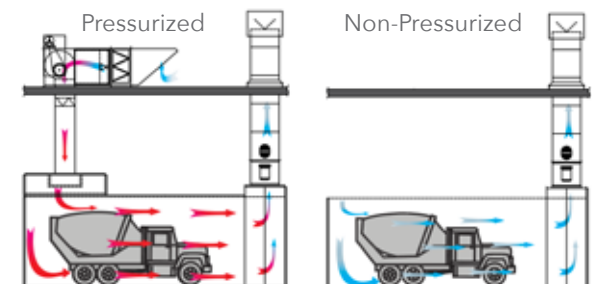
### SIDE DOWNDRAFT

Side downdraft booths are an economical solution for shops that aren't able to install a pit. Air comes into the booth through a full-length, filtered ceiling plenum, and flows downward over the product. When air reaches the floor, it is pulled into floor-level filtered exhaust plenums on both sides of the booth.



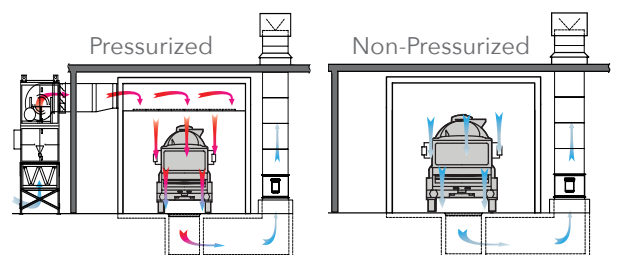
### SEMI-DOWNDRAFT

The semi-downdraft booth is a hybrid combining features of both crossdraft and downdraft booths. Air is introduced to the booth through the ceiling in the first 25-30 percent of the booth. Then it's pulled across the working chamber, over the vehicle and into the filtered exhaust chamber at the booth rear.



### DOWNDRAFT

Generally accepted as the best airflow style, downdraft booths do an excellent job controlling overspray and contamination. Air enters the booth through a full-length, filtered ceiling plenum. From there, air flows vertically over the product and into the filtered exhaust pit in the floor.



# GENERAL PURPOSE BOOTHS

## BOOTH FEATURES

### PREMIUM HIP LIGHTING

Designed and manufactured by GFS for optimal brightness and color matching, General Purpose Booths feature premium hip light fixtures for precise, complete lighting with minimal shadows. Light fixtures are ETL and ETL-C listed, and come complete with T8 ballasts and color-corrected tubes.

### FANS & MOTORS

High-powered fans and motors supply optimal airflow through the paint booth, creating a cleaner environment for a better paint job. Each General Purpose Paint Booth includes a non-sparking, tube axial exhaust fan(s) with belt guards and duct connector ring, along with a UL/CUL and CSA recognized three-phase, TEFC, tri-voltage motor.

### BOOTH DOORS

Swing-type product doors (either filtered or solid, depending on airflow and pressurization) and at least one personnel door come standard with each pre-engineered General Purpose Paint Booth. Doors feature heavy-duty hinges with plate steel and replaceable brass brushings. Hinges guarantee long-lasting performance with no sagging.

### EASY FILTER REPLACEMENT

GFS Enclosed Finishing Paint Booths come complete with a full set of high-efficiency, 20-by-20-inch GFS Wave exhaust and tacky intake filters. Installing and replacing filters is easy with the grid system; you can avoid waste and save cost by replacing only the filter squares that need changing. An included manometer indicates when filters need to be replaced.

### FULLY ETL AND ETL-C LISTED

Pre-engineered General Purpose models and options are fully ETL and ETL-C listed, ensuring that the entire booth complies with applicable safety codes and meets performance requirements. ETL listing facilitates successful inspections and demonstrates that General Purpose Booths have completed independent, third-party review. GFS works with these third-party agencies to ensure the safety of our General Purpose Booths and components.

### CONTROL PANELS

A UL/CUL listed electromechanical or Velocity™ control panel is available with each General Purpose Paint Booth, although highly customized booths may require a custom control panel. Electromechanical control panels are suited for non-pressurized booths, and are used to operate booth exhaust, safety interlocks and lights. The Velocity control panel offers additional features, including an Allen-Bradley touch screen interface, management of spray, cure and flash modes and auto-balancing on pressurized booths.

### SAFETY FEATURES

To ensure the safety of painters and equipment, a manometer and air solenoid valve are included with all General Purpose Booths to maintain an optimal working environment inside the booth. Manometers monitor overspray buildup on exhaust filters, while air solenoid valves prevent spraying in the booth when fans are off or a light cover is open. Limit switches come standard on pressurized booths to safely shut down spray guns when the booth doors are open.



# GENERAL PURPOSE BOOTHS

## BOOTH OPTIONS

### WHITE PRE-COAT

18-gauge sheet steel with a white powder-coated finish are available as pre-engineered options for better light reflectivity and improved resistance to humidity and corrosion.

### AIR MAKE-UP UNIT (AMU)

Capable of a 100-degree temperature rise and cure mode for pressurized booths, AMUs provide an economical source of replacement air to the booth and building. All GFS air make-up units are ETL and ETL-C listed and designed to meet all NFPA 86 requirements. For additional AMU information, refer to the Air Replacement Unit section on page 50.

### LIGHTING OPTIONS

Six-tube fluorescent light fixtures with T8 ballasts are available to provide additional lighting in critical areas without additional installation costs. Light reflectors can be added behind fluorescent bulbs to achieve greater luminosity. Four-or six-tube LED fixtures are also available for added brightness and energy savings. These use GFS standard 48 in. inside-access fixtures and twist-style replacement.

### AIR PROVING SWITCH

Air proving switches automatically measure air pressure in the exhaust ductwork during booth operation to ensure that the exhaust fan is moving air and operating as expected. Air proving switches function as an additional safety check to ensure that the percentage of flammable vapors in the air remains within safe limits.

**Note:** Air proving switches are required for all booths installed in Canada.

### BOOTH DOOR OPTIONS

Product door configurations such as roll-up, two-panel swing, bi-fold or drive-thru are available to accommodate customer space restrictions and support specific painting and finishing workflows. Additional personnel doors can be added to General Purpose Paint Booths for easier access to the inside of the booth.

### CUSTOM OPTIONS

To meet very specific configuration and usability requirements, GFS offers highly customized booth options that can be fully integrated into General Purpose Booths. These options include multi-stage filtration, seismic construction and conveyor openings.



# GENERAL PURPOSE BOOTHS

## GENERAL PURPOSE FEATURES & OPTIONS MATRIX

Refer to the following matrix to determine which booth features are standard (pre-engineered), optional and custom. Custom options require coordination with a GFS Sales Representative, custom engineering and additional lead times. Pre-engineered features and options can be easily selected within the Industrial Product Configurator Tool.

S – STANDARD

O – OPTION

C – CUSTOM

Features & Options		Non-Pressurized Crossdraft	Pressurized Crossdraft	Non-Pressurized Side Downdraft	Pressurized Side Downdraft	Non-Pressurized Semi-Downdraft	Pressurized Semi-Downdraft	Non-Pressurized Downdraft	Pressurized Downdraft
Construction	18- Gauge Galvanized	S	S	S	S	S	S	S	S
	Conveyor or Monorail Supports	C	C	C	C	C	C	C	C
	Corner-Style (No Bridge) Intake & Exhaust Chambers	C	C	C	C	C	C	C	C
	Custom Depth, Width and Height	C	C	C	C	C	C	C	C
	Vertical Panels w/Hip	S	S	S	S	S	S	S	S
	Single-Skin Panels	S	S	S	S	S	S	S	S
	White Pre-Coated Panels	O	O	O	O	O	O	O	O
Controls	Electromechanical CP	S	C	S		S		S	
	Velocity CP		S		S		S		S
Doors & Windows	Additional Personnel Doors (Quantity Selectable)	C	C	C	C	C	C	C	C
	Drive-Thru Door	O	O	O	O	O	O	O	O
	Filtered Bi-Fold Doors	O							
	Filtered Swing Door	S							
	Limit Switches on Product and Personnel Doors	O	S	O	S	O	S	O	S
	Personnel Door	S	S	S	S	S	S	S	S
	Roll-Up Doors		O	O	O	O	O	O	O
	Sliding Doors	C	C	C	C	C	C	C	C
	Solid Bi-Fold Doors		O	O	O	O	O	O	O
	Solid Swing Doors		S	S	S	S	S	S	S
	Wall Observation Window Kits Field Install	O	O	O	O	O	O	O	O
Lighting	4-Tube Lighting/T8 Ballasts	S	S	S	S	S	S	S	S
	6-Tube Lighting/T8 Ballasts	O	O	O	O	O	O	O	O
	LED Four-Tube or Six-Tube	O	O	O	O	O	O	O	O
	Light Reflectors	O	O	O	O	O	O	O	O
Pressurization	Air Make-Up Unit	O	S	O	S	O	S	O	S
	Auto-Balance		S		S		S		S
	Cure Mode		S		S		S		S
	Intake Fan*		C		C		C		C
	Manual VFD or Consta-Flow	O		O		O		O	
	Recirculating Cure Mode		C		C		C		C
Safety	Air Solenoid Valve	S	S	S	S	S	S	S	S
	Multi-Stage Filtration	C	C	C	C	C	C	C	C
	Seismic Construction	C	C	C	C	C	C	C	C

**Note:** Intake fan usage with pressurized crossdraft booth requires consultation with GFS sales.



## GENERAL PURPOSE BOOTHS

## CROSSDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan		
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM
14 ft. Inside Width													
Non Pressurized	GPCDG-141024-NSB	14'	10'	24'	15' 4"	10' 8"	24' 4"	12	1	10' W x 8' H	30"	3	10500
	GPCDG-141027-NSB	14'	10'	27'	15' 4"	10' 8"	27' 4"	14	1	10' W x 8' H	30"	3	10500
	GPCDG-141030-NSB	14'	10'	30'	15' 4"	10' 8"	30' 4"	14	1	10' W x 8' H	30"	3	10500
	GPCDG-141033-NSB	14'	10'	33'	15' 4"	10' 8"	33' 4"	16	1	10' W x 8' H	30"	3	10500
	GPCDG-141224-NSB	14'	12'	24'	15' 4"	12' 8"	24' 4"	12	1	10' W x 10' H	30"	5	12600
	GPCDG-141227-NSB	14'	12'	27'	15' 4"	12' 8"	27' 4"	14	1	10' W x 10' H	30"	5	12600
	GPCDG-141230-NSB	14'	12'	30'	15' 4"	12' 8"	30' 4"	14	1	10' W x 10' H	30"	5	12600
	GPCDG-141233-NSB	14'	12'	33'	15' 4"	12' 8"	33' 4"	16	1	10' W x 10' H	30"	5	12600
	GPCDG-141424-NSB	14'	14'	24'	15' 4"	14' 8"	24' 4"	12	1	10' W x 12' H	30"	5	14700
	GPCDG-141427-NSB	14'	14'	27'	15' 4"	14' 8"	27' 4"	14	1	10' W x 12' H	30"	5	14700
	GPCDG-141430-NSB	14'	14'	30'	15' 4"	14' 8"	30' 4"	14	1	10' W x 12' H	30"	5	14700
	GPCDG-141433-NSB	14'	14'	33'	15' 4"	14' 8"	33' 4"	16	1	10' W x 12' H	30"	5	14700
Pressurized	GPCDG-141024-PSB	14'	10'	24'	15' 4"	10' 8"	24' 4"	12	1	10' W x 8' H	30"	3	10500
	GPCDG-141027-PSB	14'	10'	27'	15' 4"	10' 8"	27' 4"	12	1	10' W x 8' H	30"	3	10500
	GPCDG-141030-PSB	14'	10'	30'	15' 4"	10' 8"	30' 4"	14	1	10' W x 8' H	30"	3	10500
	GPCDG-141033-PSB	14'	10'	33'	15' 4"	10' 8"	33' 4"	14	1	10' W x 8' H	30"	3	10500
	GPCDG-141224-PSB	14'	12'	24'	15' 4"	12' 8"	24' 4"	12	1	10' W x 10' H	30"	5	12600
	GPCDG-141227-PSB	14'	12'	27'	15' 4"	12' 8"	27' 4"	12	1	10' W x 10' H	30"	5	12600
	GPCDG-141230-PSB	14'	12'	30'	15' 4"	12' 8"	30' 4"	14	1	10' W x 10' H	30"	5	12600
	GPCDG-141233-PSB	14'	12'	33'	15' 4"	12' 8"	33' 4"	14	1	10' W x 10' H	30"	5	12600
	GPCDG-141424-PSB	14'	14'	24'	15' 4"	14' 8"	24' 4"	12	1	10' W x 12' H	30"	5	14700
	GPCDG-141427-PSB	14'	14'	27'	15' 4"	14' 8"	27' 4"	12	1	10' W x 12' H	30"	5	14700
	GPCDG-141430-PSB	14'	14'	30'	15' 4"	14' 8"	30' 4"	14	1	10' W x 12' H	30"	5	14700
	GPCDG-141433-PSB	14'	14'	33'	15' 4"	14' 8"	33' 4"	14	1	10' W x 12' H	30"	5	14700

The following information is consistent for Crossdraft General Purpose Paint Booths and is not noted in the table:

- Booth Airflow: 75 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length

# GENERAL PURPOSE **BOOTHS**



## GENERAL PURPOSE BOOTHS

## SIDE DOWNDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan		
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM
14 ft. Inside Width													
Non Pressurized	GPSDG-141024-NSB	14'	10'	24'	19' 8"	10' 8"	24' 4"	12	1	10' W x 8' H	24"	3	11760
	GPSDG-141027-NSB	14'	10'	27'	19' 8"	10' 8"	27' 4"	14	1	10' W x 8' H	24"	3	13230
	GPSDG-141030-NSB	14'	10'	30'	19' 8"	10' 8"	30' 4"	16	1	10' W x 8' H	24"	3	14700
	GPSDG-141033-NSB	14'	10'	33'	19' 8"	10' 8"	33' 4"	16	1	10' W x 8' H	24"	3	16170
	GPSDG-141224-NSB	14'	12'	24'	19' 8"	12' 8"	24' 4"	12	1	10' W x 10' H	24"	3	11760
	GPSDG-141227-NSB	14'	12'	27'	19' 8"	12' 8"	27' 4"	14	1	10' W x 10' H	24"	3	13230
	GPSDG-141230-NSB	14'	12'	30'	19' 8"	12' 8"	30' 4"	16	1	10' W x 10' H	24"	3	14700
	GPSDG-141233-NSB	14'	12'	33'	19' 8"	12' 8"	33' 4"	16	1	10' W x 10' H	24"	3	16170
	GPSDG-141424-NSB	14'	14'	24'	19' 8"	14' 8"	24' 4"	12	1	10' W x 12' H	24"	3	11760
	GPSDG-141427-NSB	14'	14'	27'	19' 8"	14' 8"	27' 4"	14	1	10' W x 12' H	24"	3	13230
	GPSDG-141430-NSB	14'	14'	30'	19' 8"	14' 8"	30' 4"	16	1	10' W x 12' H	24"	3	14700
	GPSDG-141433-NSB	14'	14'	33'	19' 8"	14' 8"	33' 4"	16	1	10' W x 12' H	24"	3	16170
Pressurized	GPSDG-141024-PSB	14'	10'	24'	19' 8"	12' 10"	24' 4"	12	1	10' W x 8' H	24"	3	11760
	GPSDG-141027-PSB	14'	10'	27'	19' 8"	12' 10"	27' 4"	14	1	10' W x 8' H	24"	3	13230
	GPSDG-141030-PSB	14'	10'	30'	19' 8"	12' 10"	30' 4"	16	1	10' W x 8' H	24"	3	14700
	GPSDG-141033-PSB	14'	10'	33'	19' 8"	12' 10"	33' 4"	16	1	10' W x 8' H	24"	3	16170
	GPSDG-141224-PSB	14'	12'	24'	19' 8"	14' 10"	24' 4"	12	1	10' W x 10' H	24"	3	11760
	GPSDG-141227-PSB	14'	12'	27'	19' 8"	14' 10"	27' 4"	14	1	10' W x 10' H	24"	3	13230
	GPSDG-141230-PSB	14'	12'	30'	19' 8"	14' 10"	30' 4"	16	1	10' W x 10' H	24"	3	14700
	GPSDG-141233-PSB	14'	12'	33'	19' 8"	14' 10"	33' 4"	16	1	10' W x 10' H	24"	3	16170
	GPSDG-141424-PSB	14'	14'	24'	19' 8"	16' 10"	24' 4"	12	1	10' W x 12' H	24"	3	11760
	GPSDG-141427-PSB	14'	14'	27'	19' 8"	16' 10"	27' 4"	14	1	10' W x 12' H	24"	3	13230
	GPSDG-141430-PSB	14'	14'	30'	19' 8"	16' 10"	30' 4"	16	1	10' W x 12' H	24"	3	14700
	GPSDG-141433-PSB	14'	14'	33'	19' 8"	16' 10"	33' 4"	16	1	10' W x 12' H	24"	3	16170

The following information is consistent for Side Downdraft General Purpose Paint Booths and is not noted in the table:

- Booth Airflow: 35 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Exhaust Fans: 2
- Static Pressure: 1 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length

# GENERAL PURPOSE BOOTHS



## GENERAL PURPOSE BOOTHS

## SEMI-DOWNDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan		
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM
14 ft. Inside Width													
Non Pressurized	GPSMG-141024-NSB	14'	10'	24'	15' 4"	10' 8"	24' 4"	12	1	10' W x 8' H	30"	3	10500
	GPSMG-141027-NSB	14'	10'	27'	15' 4"	10' 8"	27' 4"	14	1	10' W x 8' H	30"	3	10500
	GPSMG-141030-NSB	14'	10'	30'	15' 4"	10' 8"	30' 4"	14	1	10' W x 8' H	30"	3	10500
	GPSMG-141033-NSB	14'	10'	33'	15' 4"	10' 8"	33' 4"	16	1	10' W x 8' H	30"	3	10500
	GPSMG-141224-NSB	14'	12'	24'	15' 4"	12' 8"	24' 4"	12	1	10' W x 10' H	30"	5	12600
	GPSMG-141227-NSB	14'	12'	27'	15' 4"	12' 8"	27' 4"	14	1	10' W x 10' H	30"	5	12600
	GPSMG-141230-NSB	14'	12'	30'	15' 4"	12' 8"	30' 4"	14	1	10' W x 10' H	30"	5	12600
	GPSMG-141233-NSB	14'	12'	33'	15' 4"	12' 8"	33' 4"	16	1	10' W x 10' H	30"	5	12600
	GPSMG-141424-NSB	14'	14'	24'	15' 4"	14' 8"	24' 4"	12	1	10' W x 12' H	30"	5	14700
	GPSMG-141427-NSB	14'	14'	27'	15' 4"	14' 8"	27' 4"	14	1	10' W x 12' H	30"	5	14700
	GPSMG-141430-NSB	14'	14'	30'	15' 4"	14' 8"	30' 4"	14	1	10' W x 12' H	30"	5	14700
	GPSMG-141433-NSB	14'	14'	33'	15' 4"	14' 8"	33' 4"	16	1	10' W x 12' H	30"	5	14700
Pressurized	GPSMG-141024-PSB	14'	10'	24'	15' 4"	12' 10"	24' 4"	12	1	10' W x 8' H	30"	3	10500
	GPSMG-141027-PSB	14'	10'	27'	15' 4"	12' 10"	27' 4"	14	1	10' W x 8' H	30"	3	10500
	GPSMG-141030-PSB	14'	10'	30'	15' 4"	12' 10"	30' 4"	14	1	10' W x 8' H	30"	3	10500
	GPSMG-141033-PSB	14'	10'	33'	15' 4"	12' 10"	33' 4"	16	1	10' W x 8' H	30"	3	10500
	GPSMG-141224-PSB	14'	12'	24'	15' 4"	14' 10"	24' 4"	12	1	10' W x 10' H	30"	5	12600
	GPSMG-141227-PSB	14'	12'	27'	15' 4"	14' 10"	27' 4"	14	1	10' W x 10' H	30"	5	12600
	GPSMG-141230-PSB	14'	12'	30'	15' 4"	14' 10"	30' 4"	14	1	10' W x 10' H	30"	5	12600
	GPSMG-141233-PSB	14'	12'	33'	15' 4"	14' 10"	33' 4"	16	1	10' W x 10' H	30"	5	12600
	GPSMG-141424-PSB	14'	14'	24'	15' 4"	16' 10"	24' 4"	12	1	10' W x 12' H	30"	5	14700
	GPSMG-141427-PSB	14'	14'	27'	15' 4"	16' 10"	27' 4"	14	1	10' W x 12' H	30"	5	14700
	GPSMG-141430-PSB	14'	14'	30'	15' 4"	16' 10"	30' 4"	14	1	10' W x 12' H	30"	5	14700
	GPSMG-141433-PSB	14'	14'	33'	15' 4"	16' 10"	33' 4"	16	1	10' W x 12' H	30"	5	14700

The following information is consistent for Semi-Downdraft General Purpose Paint Booths and is not noted in the table:

- Booth Airflow: 75 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length



# GENERAL PURPOSE BOOTHS



## GENERAL PURPOSE BOOTHS

## DOWNDRAFT BOOTH MODELS

Model No.		Inside Dimensions			Outside Dimensions			No. of Lights	Personnel Doors	Product Doors	Exhaust Fan		
		Width	Height	Depth	Width	Height	Depth			Size	Dia.	HP	SCFM at 1/2"
14 ft. Inside Width													
Non Pressurized	GPDDG-141024-NSB	14'	10'	24'	15' 4"	10' 8"	24' 4"	12	1	10' W x 8' H	30"	5	11760
	GPDDG-141027-NSB	14'	10'	27'	15' 4"	10' 8"	27' 4"	14	1	10' W x 8' H	36"	5	13230
	GPDDG-141030-NSB	14'	10'	30'	15' 4"	10' 8"	30' 4"	16	1	10' W x 8' H	36"	5	14700
	GPDDG-141033-NSB	14'	10'	33'	15' 4"	10' 8"	33' 4"	16	1	10' W x 8' H	36"	7.5	16170
	GPDDG-141224-NSB	14'	12'	24'	15' 4"	12' 8"	24' 4"	12	1	10' W x 10' H	30"	5	11760
	GPDDG-141227-NSB	14'	12'	27'	15' 4"	12' 8"	27' 4"	14	1	10' W x 10' H	36"	5	13230
	GPDDG-141230-NSB	14'	12'	30'	15' 4"	12' 8"	30' 4"	16	1	10' W x 10' H	36"	5	14700
	GPDDG-141233-NSB	14'	12'	33'	15' 4"	12' 8"	33' 4"	16	1	10' W x 10' H	36"	7.5	16170
	GPDDG-141424-NSB	14'	14'	24'	15' 4"	14' 8"	24' 4"	12	1	10' W x 12' H	30"	5	11760
	GPDDG-141427-NSB	14'	14'	27'	15' 4"	14' 8"	27' 4"	14	1	10' W x 12' H	36"	5	13230
	GPDDG-141430-NSB	14'	14'	30'	15' 4"	14' 8"	30' 4"	16	1	10' W x 12' H	36"	5	14700
	GPDDG-141433-NSB	14'	14'	33'	15' 4"	14' 8"	33' 4"	16	1	10' W x 12' H	36"	7.5	16170
Pressurized	GPDDG-141024-PSB	14'	10'	24'	15' 4"	12' 10"	24' 4"	12	1	10' W x 8' H	30"	5	11760
	GPDDG-141027-PSB	14'	10'	27'	15' 4"	12' 10"	27' 4"	14	1	10' W x 8' H	36"	5	13230
	GPDDG-141030-PSB	14'	10'	30'	15' 4"	12' 10"	30' 4"	16	1	10' W x 8' H	36"	5	14700
	GPDDG-141033-PSB	14'	10'	33'	15' 4"	12' 10"	33' 4"	16	1	10' W x 8' H	36"	7.5	16170
	GPDDG-141224-PSB	14'	12'	24'	15' 4"	14' 10"	24' 4"	12	1	10' W x 10' H	30"	5	11760
	GPDDG-141227-PSB	14'	12'	27'	15' 4"	14' 10"	27' 4"	14	1	10' W x 10' H	36"	5	13230
	GPDDG-141230-PSB	14'	12'	30'	15' 4"	14' 10"	30' 4"	16	1	10' W x 10' H	36"	5	14700
	GPDDG-141233-PSB	14'	12'	33'	15' 4"	14' 10"	33' 4"	16	1	10' W x 10' H	36"	7.5	16170
	GPDDG-141424-PSB	14'	14'	24'	15' 4"	16' 10"	24' 4"	12	1	10' W x 12' H	30"	5	11760
	GPDDG-141427-PSB	14'	14'	27'	15' 4"	16' 10"	27' 4"	14	1	10' W x 12' H	36"	5	13230
	GPDDG-141430-PSB	14'	14'	30'	15' 4"	16' 10"	30' 4"	16	1	10' W x 12' H	36"	5	14700
	GPDDG-141433-PSB	14'	14'	33'	15' 4"	16' 10"	33' 4"	16	1	10' W x 12' H	36"	7.5	16170

The following information is consistent for Downdraft General Purpose Paint Booths and is not noted in the table:

- Booth Airflow: 35 FPM
- Exhaust fan static pressure assumes a straight duct run of no more than 30 feet in length
- Static Pressure: 3/4 inch
- Additional static pressure may be needed to account for elbows, transitions or additional length

# GENERAL PURPOSE BOOTHS



# AIR REPLACEMENT SYSTEMS



GFS' direct gas fired air make-up units (AMU) provide an economical source of replacement air and are furnished with a heater, filters, motor and blower, controls, mounting hardware and auxiliary equipment.

## FEATURES

### IMPROVED AIR QUALITY & COMFORT

- Eliminate problems with drafts, stale or contaminated air and temperature stratification
- Introduce 100-percent fresh air to improve indoor air quality
- Create balanced building pressure and maintain proper comfort levels
- Cooling and humidity control available

### HEAVY DUTY MATERIALS & CONSTRUCTION

GFS AMUs use structural G90 galvanized steel for the base and tube frame, along with heavy-duty G90 steel casing. Additional construction features include:

- Interlocked wall seam and roof panels
- Weatherproof construction
- Hinged service doors with flush-mount latches
- Casing insulation with G90 galvanized steel liners

## BENEFITS

### MULTIPLE MOUNTING ARRANGEMENTS

- Vertical/horizontal
- Indoor/outdoor
- Platform/ceiling suspended

### TEMPERATURE RISE

Temperature rise is the temperature of the air discharged from the unit in relation to the ambient outside air temperature.

For example, assume a facility is in an area where the winter low temperature is negative 10 degrees and the desired booth temperature is 70 degrees. The air make-up unit must be able to provide at least an 80-degree temperature rise in order to reach the desired temperature inside the booth.

## UNIT LOCATION CONSIDERATIONS

- Fresh air intake vs. shop air intake
- Unit size and arrangement
- Proximity of the AMU air discharge to the spray booth
- Access for installation and service
- Heat type
- Discharge type

## ACCESSORIES & OPTIONS

- Inlet hood with 2 in. cleanable filter with bird screen
- Fresh air V-Bank filter sections
- Return air V-Bank filter sections (recirc. only)
- External/internal discharge dampers
- Intake dampers
- Air diffuser heads
- Vertical mounting stand (enclosed and open)
- Roof curbs
- Control panel with operating lights
- Spring isolated blower and motor
- Painted casing



# AIR REPLACEMENT SYSTEMS



## CURE/BAKE SYSTEMS

In variable speed and recirculating units, the AMU is designed to discharge either 140 or 160-degree Fahrenheit air for an accelerated curing cycle. These systems also include an auto-balance system with a variable frequency drive (VFD) to automatically adjust the airflow of the exhaust fan(s) and ensure proper booth balance, not only during cure mode but also during paint mode.

### VARIABLE SPEED UNIT (FORCE DRY)

The variable-speed unit always uses outside air while curing to ensure good, clean air for the cure cycle. This design reduces airflow by 50 percent during the cure mode.

### RECIRCULATING UNIT (CURE ONLY)

This design recirculates up to 80 percent of the air while exhausting 20 percent to the atmosphere, providing further energy efficiency through the recirculation of heated air, requiring less for the heating unit.

## AIR VOLUME SYSTEMS

### CONSTANT VOLUME SYSTEM (100 PERCENT REPLACEMENT)

The constant volume system provides a consistent rate of supply air to the facility. The direct-fired air system heater warms the fresh air on intake, eliminating energy losses associated with alternative heat sources.

In most applications, the intake air is of slightly higher volume than the exhausted air, resulting in a positive building pressure for best results. However, these units can be adjusted to intake less volume than the exhaust for applications requiring a negative building pressure.

### VARIABLE AIR VOLUME SYSTEM

When air replacement requirements fluctuate and constant-volume or two-speed systems are not suitable, a variable air volume system is the solution. By integrating a VFD into the motor system, automatic adjustments can be made to the system during operation to compensate for changing conditions. Several options are available to control these adjustments:

- A potentiometer can be used to manually adjust CFM
- Preset VFM levels can be programmed and manually selected
- A pressure control device can be added to automatically adjust the CFM relative to the building pressure.

The VFD allows for much lower energy costs due to smooth motor startup and the elimination of power spikes. Integrated safety features have been added to ensure safe burner operation.

## 80/20 SYSTEMS

For operations requiring recirculating capability, an 80/20 system can provide energy-efficient make-up air and heating functions. By drawing at least 20 percent outside air, and up to 80 percent recirculated air from the building, the 80/20 system reduces the energy needed for heating. The ratio of new-to-recirculated air varies according to the requirements of the building environment.

Automatic sensors and pressure monitors continually adjust to maintain the most consistent working environment, the most efficient operation and lowest operating cost. These units can be configured as a fully-functional building heat unit, a supplementary air make-up or as a combination of both.



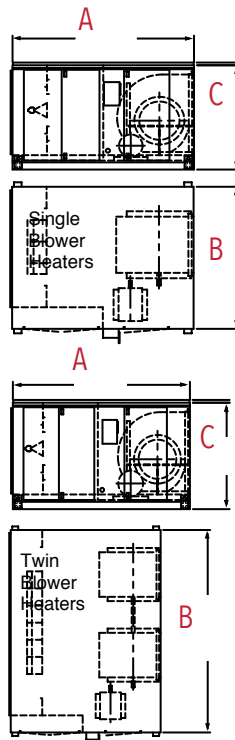
# AIR MAKE-UP UNITS

## CONFIGURATIONS

### Horizontal Units

Model	Unit Dimensions		
	A	B	C
RAM-12	70	46	38
RAM-15	70	46	38
RAM-18	82	60	54
RAM-20	82	60	54
RAM-22	100	79	58
RAM-25	100	79	58
RAM-27	100	88	66
RAM-30	100	88	66
RAM-33	112	98	76
RAM-36	112	98	76
RAM-222*	100	146	58
RAM-225*	100	146	58
RAM-227*	100	156	66
RAM-230*	100	156	66

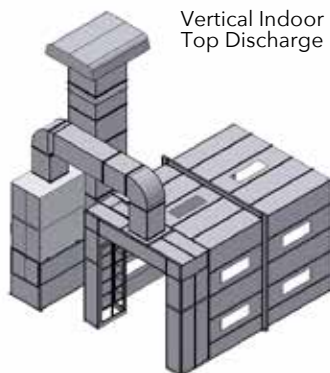
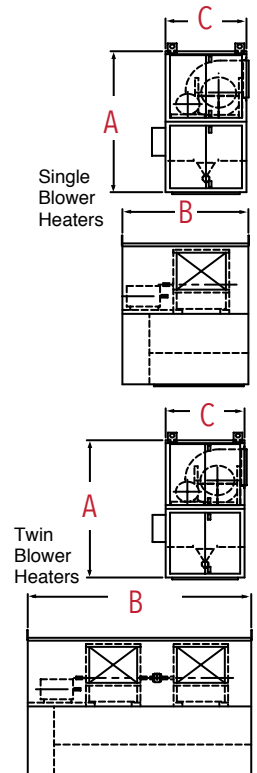
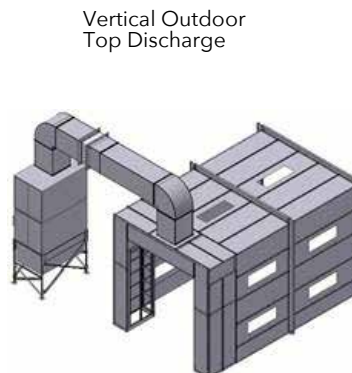
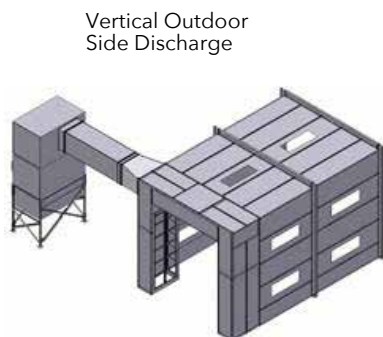
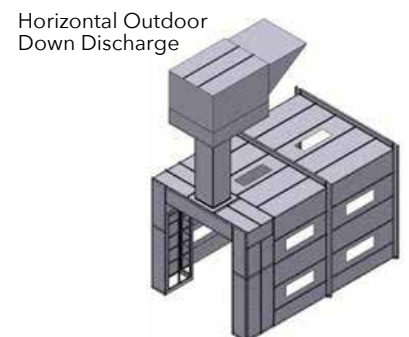
\* indicates twin blowers



### Vertical Units

Model	Unit Dimensions		
	A	B	C
CFA-12	70	50	36
CFA-15	70	50	36
CFA-18	82	65	50
CFA-20	82	65	50
CFA-22	100	80	50
CFA-25	100	80	50
CFA-27	110	88	60
CFA-30	110	88	60
CFA-33	128	112	70
CFA-36	128	112	70
CFA-222*	100	146	50
CFA-225*	100	146	50
CFA-227*	110	156	60
CFA-230*	110	156	60
CFA-233*	128	191	70

\* indicates twin blowers

Vertical Indoor  
Top DischargeVertical Outdoor  
Top DischargeVertical Indoor  
Side DischargeVertical Outdoor  
Side DischargeHorizontal Indoor  
End DischargeHorizontal Outdoor  
Down Discharge

# PAINT MIX ROOMS



GFS' galvanized Paint Mix Rooms provide a controlled area for safely mixing paint. Wall panels are fabricated from 18-gauge unpainted galvanized sheet steel, and are pre-punched and companion flanged for easy nut-and-bolt, on-site assembly. Our Mix Rooms also contain a convenient 4 in. deep, built-in containment base for potential spills.

**Note:** Paint Mix Rooms cannot exceed 150 sq. ft.

## SAFE AIR OPERATION

A proven ventilation system, fresh air flows constantly throughout the enclosure to protect personnel from inhaling harmful vapors. To bring fresh air into the Mix Room, air is drawn from outside of enclosure and flows through filters to remove dust and dirt contaminants. The continuously moving down flow of air inside the enclosure forces harmful vapors safely through the exhaust plenum.

## SAFE LIQUID GUIDELINES

The amount of flammable or combustible liquid stored in paint mix rooms must be within the following limits (per NFPA 33):

- Paint Mix Rooms within 6 ft. of the spray area may contain up to 2 gallons per square foot of enclosure floor area but may not exceed 60 gallons (U.S.).
- Paint Mix Rooms further than 6 ft. from the spray area may contain up to 2 gallons per square foot of enclosure floor area but may not exceed 300 gallons (U.S.).

## ETL AND ETL-C LISTED

Standard GFS' galvanized Paint Mix Rooms are fully ETL and ETL-C listed to meet all applicable industry safety and performance requirements and facilitate successful inspections.

## ROOM AIR EXCHANGE

This chart identifies the air exchange performance data when Mix Rooms are properly installed and are outfitted with clean filters.

Model No.	Cubic Feet	Air Exchange per Hour	Total SCFM
IMRG-698	432	131.8	949
IMRG-998	648	87.9	949
IMRG-1298	864	65.9	949
IMRG-1598	1080	52.7	949

## COMPLETE PACKAGE

Each Paint Mix Room ships with the following:

- Personnel door with an 18 in. x 24 in. observation window
- High-efficiency, T8 fluorescent light fixture(s)
- Heavy-duty exhaust
- TEFC motor
- Intake filters
- Assembly hardware and installation drawings

## OPTIONS

- Control panel
- Intake fan
- White pre-coated panels

Models	Motor HP	Inside Dimensions			Outside Dimensions			No. of Light Fixtures	Personnel Entry Doors		Exhaust Duct	Approx. Ship Weight (lbs)	OPTIONAL Control Panel (110V/1PH)
		Length	Width	Height	Length	Width	Height		Qty	Size			
IMRG-698	1/2	6'	9'	8'	7'-4"	9'-4"	8'-10"	1	1	3' X 7'	12"	1,450	PMR CP
IMRG-998	1/2	9'	9'	8'	10'-4"	9'-4"	8'-10"	2	1	3' X 7'	12"	1,600	PMR CP
IMRG-1298	1/2	12'	9'	8'	13'-4"	9'-4"	8'-10"	3	1	3' X 7'	12"	1,800	PMR CP
IMRG-1598	1/2	15'	9'	8'	16'-4"	9'-4"	8'-10"	4	1	3' X 7'	12"	2,000	PMR CP

IMRG = Industrial Mix Room Galvanized IMRW = Industrial Mix Room White

# HAZARDOUS MATERIAL STORAGE BUILDING



GFS' Industrial Hazardous Material Storage Buildings, sometimes referred to as "Paint Kitchens," are portable, fire-rated buildings used for the safe storage of hazardous materials and waste. Applications include paint mixing, paint storage and pumping stations. Designed for indoor or outdoor applications, Hazardous Material Storage Buildings have a bidirectional fire rated design and extra large spill containment. For added efficiency and safety, Hazardous Material Storage Buildings ship to site fully assembled, requiring minimal installation time.

## FEATURES

### INTERIOR LIGHTING

Hazardous Material Storage Buildings feature explosion proof incandescent ceiling-mounted fixtures with guard, glass globe and a 300 watt lamp.

### WALLS

Hazardous Material Storage Buildings walls are constructed of 6 in. wide steel studs spaced 12 in. apart and covered with two layers of 5/8 in. exterior gypsum wallboard on each side. Skinned with 18-gauge white pre-coated steel panels.

### ROOF/CEILING

The roof consists of joists 7 in. deep and spaced at 12 in. on center. Two layers of gypsum board are attached to the interior and covered with 18-gauge white polyurethane coated steel panels. Exterior is skinned with 18-gauge white coated steel panels.

### FLOOR GRATING & SUPPORT

Hazardous Material Storage Buildings floors are made of 1 in. steel grating, painted black. The grate is supported by 6 in. steel beams that run the entire length of the enclosure and are positioned for holding substantial weight.

### CONTROL PANEL

The control panel is Type-4 indoor/outdoor rated and available in various voltages to meet the customer's needs. A main disconnect distributes all power and control circuits, including fire protection interlock. UL508a listed.

### VENTILATION SYSTEM

The ventilation system in Hazardous Material Storage Buildings is designed to provide an air exchange rating that meets the requirements of NFPA 30 and IFC.

### ELECTRICAL WIRING

The enclosure comes pre-wired with materials and methods that meet or exceed the requirements of NEC 500 Hazardous Locations. Some exceptions may apply, Please contact your GFS Industrial Sales Representative for more information.

### SUMP CONSTRUCTION

Sumps are made of liquid-tight, heavy-gauge sheet steel supported by exterior welded steel risers to allow for leak inspection under the sump.

### EXTRA LARGE SPILL CONTAINMENT

Sump holds 30 percent of locker's liquid storage capacity, surpassing regulatory and FM requirements.

### STATIC ELECTRICITY BONDING/GROUNDING SYSTEM

- Interior wall-mounted grounding lugs
- Exterior grounding connection
- Separate 8 ft. grounding rod and cable for customer installation

## HAZARDOUS MATERIAL STORAGE BUILDING

Model No.	Inside Dimensions			Outside Dimensions				Sump Capacity	Approx. Weight	Double Door Opening	Number of Lights
	Length	Depth	Height	Length	Depth	Height	Height (opt. Sump)	Gallons	Pounds	5' X 6'8"	Explosion Proof
PK10	10'	8'	8'3"	11'6"	9'8"	10'0"	10'6"	375	10,600	1 Set	1
PK16	16'	8'	8'3"	17'6"	9'8"	10'0"	10'6"	600	14,200	2 Sets	2
PK22	22'	8'	8'3"	23'6"	9'8"	10'0"	10'6"	825	17,900	3 Sets	3
PK28	28'	8'	8'3"	29'6"	9'8"	10'0"	10'6"	1,050	21,500	4 Sets	4

## OPTIONS

## FIRE PROTECTION

- **Dry chemical system:** A pre-engineered industrial dry chemical fire suppression system that is designed to protect the inside of the enclosure and incorporates a network of piping and discharge nozzles as defined by NFPA 17. This system includes an agent storage tank, actuator, quick release, flow nozzles, 212-degree Fahrenheit fusible link, pull station and alarm. UL listed.
- **Water sprinkler system:** Featuring sprinkler heads and exterior hook-ups connecting adapter in accordance with NFPA 13. May require additional sump capacity. Used only for indoor applications in areas where outdoor temperatures can reach below freezing.

## DEFLAGRATION VENT PANELS

Deflagration vent panels are designed to release at a maximum internal pressure of 20 psf. Each panel is sealed to prevent gases from escaping to the exterior. Deflagration panels are built to approved explosion-relief standards.

## FIBERGLASS FLOOR GRATING

Fire retardant, corrosion and UV resistant, 1 in. thick with permanently bonded quartz grit for an anti-skid surface.

## RAMP

Access ramp fabricated from heavy-duty plate steel. One-piece fabrication without welding points provides a non-corrosive, life-long finish. Ramp provides a 6:1 ratio run to rise, with dimensions of 33 in. W x 12 in. H x 70-1/2 in. L. Ramp is painted with white polyurethane and features 2 in. wide grip tape at 4 in. intervals to add traction.

## CUSTOM SIZES &amp; DOORS

Custom-sized Hazardous Material Storage Buildings may require some field assembly.

## OUTDOOR APPLICATIONS

- Security bars on deflagration vent panels
- Single-ply roof membrane
- Insulated walls and ceiling

## BULKHEAD FITTINGS

Factory installed for paint and airline needs. Can be mounted in the walls or ceiling.

## LIQUID LEVEL DETECTION SYSTEM WITH ALARM

Features a fiber optic sensor and float.

## HEATERS &amp; AIR CONDITIONING

Heaters and air conditioning units are dependent upon the location of the Hazardous Material Storage Building; GFS will design a solution to fit your application. Please contact your GFS Industrial Sales Representative for more information.





## POWDER BOOTHS

**NON-RECOVERY POWDER**

GFS' Non-Recovery Powder Booth is a cost-effective, high-performance solution for small batch powder applications. These powder collection booths feature an open face design, Three-Stage Filtration System and a high capacity, low-noise recirculation fan.

**BOOTH FEATURES**

- Galvanized steel panels
- Heavy-duty, high-capacity, low-noise plug fan (rated at 1.5 in. static pressure)
- Smooth interior for easy maintenance
- Three-Stage Filtration System that includes a full set of filters, grids and manometer for filter maintenance
- Energy-efficient, inside-access light fixture(s)
- Recirculates clean air
- Assembly hardware and drawings
- Air make-up unit not required
- Designed to comply with all federal, OSHA and NFPA regulations

**OPTIONS**

- White pre-coated panels
- Additional light fixtures
- Classic control panel

**THREE-STAGE FILTRATION SYSTEM**

Incorporated into GFS Non-Recovery Powder Booths, the Three-Stage Filtration System is highly effective at capturing high volumes of powder dust (with up to 99.9 percent filter efficiency at 5 microns).



**First Stage**  
Roll Media

**Second Stage**  
Panel Filter

**Third Stage**  
Six-Pocket Bag Filter



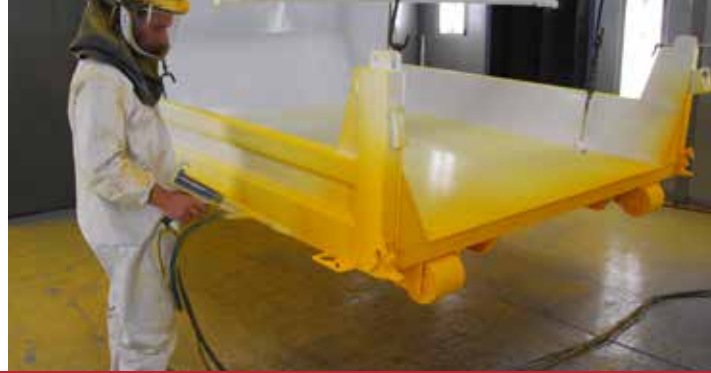


## POWDER BOOTHS

## NON-RECOVERY POWDER BOOTH MODELS

Standard Model No.	Inside Dimensions			Outside Dimensions			Fan Clear	Light	Min. CFM at 1.5" SP	Fan Diameter	Motor HP
	Width	Height	Depth	Width	Height	Depth	Height	Qty			
8 ft. Wide Booths											
PNRG-080806	8'	8'	6'	8'-4"	8'-2"	10'-2"	12'-2"	1	6400	25"	3
PNRG-080809	8'	8'	9'	8'-4"	8'-2"	13'-2"	12'-2"	1	6400	25"	3
PNRG-080812	8'	8'	12'	8'-4"	8'-2"	16'-2"	12'-2"	2	6400	25"	3
PNRG-081006	8'	10'	6'	8'-4"	10'-2"	10'-2"	14'-2"	1	8000	25"	3
PNRG-081009	8'	10'	9'	8'-4"	10'-2"	13'-2"	14'-2"	1	8000	25"	3
PNRG-081012	8'	10'	12'	8'-4"	10'-2"	16'-2"	14'-2"	2	8000	25"	3
10 ft. Wide Booths											
PNRG-100806	10'	8'	6'	10'-4"	8'-2"	10'-2"	12'-2"	2	8000	25"	3
PNRG-100809	10'	8'	9'	10'-4"	8'-2"	13'-2"	12'-2"	2	8000	25"	3
PNRG-100812	10'	8'	12'	10'-4"	8'-2"	16'-2"	12'-2"	4	8000	25"	3
PNRG-101006	10'	10'	6'	10'-4"	10'-2"	10'-2"	14'-11"	2	10000	28"	5
PNRG-101009	10'	10'	9'	10'-4"	10'-2"	13'-2"	14'-11"	2	10000	28"	5
PNRG-101012	10'	10'	12'	10'-4"	10'-2"	16'-2"	14'-11"	4	10000	28"	5
12 ft. Wide Booths											
PNRG-120806	12'	8'	6'	12'-4"	8'-10"	10'-2"	12'-11"	2	9600	28"	3
PNRG-120809	12'	8'	9'	12'-4"	8'-10"	13'-2"	12'-11"	2	9600	28"	3
PNRG-120812	12'	8'	12'	12'-4"	8'-10"	16'-2"	12'-11"	4	9600	28"	3
PNRG-121006	12'	10'	6'	12'-4"	10'-10"	10'-2"	14'-11"	2	12000	28"	5
PNRG-121009	12'	10'	9'	12'-4"	10'-10"	13'-2"	14'-11"	2	12000	28"	5
PNRG-121012	12'	10'	12'	12'-4"	10'-10"	16'-2"	14'-11"	4	12000	28"	5
14 ft. Wide Booths											
PNRG-140806	14'	8'	6'	14'-4"	8'-10"	10'-2"	12'-11"	2	11200	28"	5
PNRG-140809	14'	8'	9'	14'-4"	8'-10"	13'-2"	12'-11"	2	11200	28"	5
PNRG-140812	14'	8'	12'	14'-4"	8'-10"	16'-2"	12'-11"	4	11200	28"	5
PNRG-141006	14'	10'	6'	14'-4"	10'-10"	10'-2"	15'-4"	2	14000	35"	5
PNRG-141009	14'	10'	9'	14'-4"	10'-10"	13'-2"	15'-4"	2	14000	35"	5
PNRG-141012	14'	10'	12'	14'-4"	10'-10"	16'-2"	15'-4"	4	14000	35"	5
16 ft. Wide Booths											
PNRG-160806	16'	8'	6'	16'-4"	8'-10"	10'-2"	12'-11"	2	12800	28"	5
PNRG-160809	16'	8'	9'	16'-4"	8'-10"	13'-2"	12'-11"	2	12800	28"	5
PNRG-160812	16'	8'	12'	16'-4"	8'-10"	16'-2"	12'-11"	4	12800	28"	5
PNRG-161006	16'	10'	6'	16'-4"	10'-10"	10'-2"	15'-4"	2	16000	35"	7.5
PNRG-161009	16'	10'	9'	16'-4"	10'-10"	13'-2"	15'-4"	2	16000	35"	7.5
PNRG-161012	16'	10'	12'	16'-4"	10'-10"	16'-2"	15'-4"	4	16000	35"	7.5
18 ft. Wide Booths											
PNRG-180806	18'	8'	6'	18'-4"	8'-10"	10'-2"	13'-4"	3	14400	35"	7.5
PNRG-180809	18'	8'	9'	18'-4"	8'-10"	13'-2"	13'-4"	3	14400	35"	7.5
PNRG-180812	18'	8'	12'	18'-4"	8'-10"	16'-2"	13'-4"	6	14400	35"	7.5
PNRG-181006	18'	10'	6'	18'-4"	10'-10"	10'-2"	15'-4"	3	18000	35"	7.5
PNRG-181009	18'	10'	9'	18'-4"	10'-10"	13'-2"	15'-4"	3	18000	35"	7.5
PNRG-181012	18'	10'	12'	18'-4"	10'-10"	16'-2"	15'-4"	6	18000	35"	7.5
20 ft. Wide Booths											
PNRG-200806	20'	8'	6'	20'-4"	8'-10"	10'-2"	13'-4"	4	16000	35"	7.5
PNRG-200809	20'	8'	9'	20'-4"	8'-10"	13'-2"	13'-4"	4	16000	35"	7.5
PNRG-200812	20'	8'	12'	20'-4"	8'-10"	16'-2"	13'-4"	8	16000	35"	7.5
PNRG-201006	20'	10'	6'	20'-4"	10'-10"	10'-2"	15'-4"	4	20000	35"	7.5
PNRG-201009	20'	10'	9'	20'-4"	10'-10"	13'-2"	15'-4"	4	20000	35"	7.5
PNRG-201012	20'	10'	12'	20'-4"	10'-10"	16'-2"	15'-4"	8	20000	35"	7.5

# POWDER BOOTHS



## RECOVERY POWDER

Featuring Powder Collection Modules, GFS' Powder Recovery Booths are ideal for small to medium powder applications. A self-pulsing system continuously cleans cartridge filters for longer filter life. Unused powder can be reclaimed for future powder application.



## BOOTH FEATURES

- Galvanized steel panels
- Smooth interior for easy maintenance
- Powder collection module(s), including:
  - High-efficiency 12 in. x 53 in. cartridge filters with MERV 12 rating
  - 20 in. x 20 in. x 4 in. final filter with MERV 13 rating
  - High-performance, direct-drive plug fan with TEFC motor
  - Top or rear exhaust orientation
- Standard differential pressure gauge with safety interlock for automatic shut down when air pressure exceeds normal operating range
- Energy-efficient, inside-access light fixture(s)
- Recirculates clean air
- Air make-up unit not required
- Integrated control panel
- Assembly hardware and drawings
- Designed to comply with all federal, OSHA and NFPA regulations

## OPTIONS

- White pre-coated panels
- Stainless steel panels
- Additional light fixtures

## POWDER BOOTHS

## POWDER RECOVERY BOOTHS WITH MODULES

Standard Model No.	Inside Dimension			Outside Dimsension Top Discharge			Outside Dimsension Rear Discharge			Light Qty.	Collector Size	Collector Qty.
	Width	Height	Depth	Width	Height	Depth	Width	Height	Depth			
6 ft. Wide Booths												
PRBG-060806	6'	8'	6'	6'4"	10'5"	9'6"	6'4"	8'4"	11'6"	1	6000	1
PRBG-060809	6'	8'	9'	6'4"	10'5"	12'6"	6'4"	8'4"	14'6"	1	6000	1
PRBG-060812	6'	8'	12'	6'4"	10'5"	15'6"	6'4"	8'4"	17'6"	2	6000	1
PRBG-061006	6'	10'	6'	6'4"	10'5"	9'6"	6'4"	10'2"	11'6"	1	6000	1
PRBG-061009	6'	10'	9'	6'4"	10'5"	12'6"	6'4"	10'2"	14'6"	1	6000	1
PRBG-061012	6'	10'	12'	6'4"	10'5"	15'6"	6'4"	10'2"	17'6"	2	6000	1
8 ft. Wide Booths												
PRBG-080806	8'	8'	6'	8'4"	10'5"	9'6"	8'4"	8'4"	11'8"	1	8000	1
PRBG-080809	8'	8'	9'	8'4"	10'5"	12'6"	8'4"	8'4"	14'8"	1	8000	1
PRBG-080812	8'	8'	12'	8'4"	10'5"	15'6"	8'4"	8'4"	17'8"	2	8000	1
PRBG-081006	8'	10'	6'	8'4"	10'5"	9'6"	8'4"	10'2"	11'8"	1	8000	1
PRBG-081009	8'	10'	9'	8'4"	10'5"	12'6"	8'4"	10'2"	14'8"	1	8000	1
PRBG-081012	8'	10'	12'	8'4"	10'5"	15'6"	8'4"	10'2"	17'8"	2	8000	1
10 ft. Wide Booths												
PRBG-100806	10'	8'	6'	10'4"	10'5"	9'6"	10'4"	8'4"	11'8"	2	10000	1
PRBG-100809	10'	8'	9'	10'4"	10'5"	12'6"	10'4"	8'4"	14'8"	2	10000	1
PRBG-100812	10'	8'	12'	10'4"	10'5"	15'6"	10'4"	8'4"	17'8"	4	10000	1
PRBG-101006	10'	10'	6'	10'4"	10'5"	9'6"	10'4"	10'2"	11'8"	2	10000	1
PRBG-101009	10'	10'	9'	10'4"	10'5"	12'6"	10'4"	10'2"	14'8"	2	10000	1
PRBG-101012	10'	10'	12'	10'4"	10'5"	15'6"	10'4"	10'2"	17'8"	4	10000	1
12 ft. Wide Booths												
PRBG-120806	12'	8'	6'	12'4"	10'5"	9'6"	12'4"	8'10"	11'8"	2	12000	1
PRBG-120809	12'	8'	9'	12'4"	10'5"	12'6"	12'4"	8'10"	14'8"	2	12000	1
PRBG-120812	12'	8'	12'	12'4"	10'5"	15'6"	12'4"	8'10"	17'8"	4	12000	1
PRBG-121006	12'	10'	6'	12'4"	10'10"	9'6"	12'4"	10'10"	11'8"	2	12000	1
PRBG-121009	12'	10'	9'	12'4"	10'10"	12'6"	12'4"	10'10"	14'8"	2	12000	1
PRBG-121012	12'	10'	12'	12'4"	10'10"	15'6"	12'4"	10'10"	17'8"	4	12000	1
14 ft. Wide Booths												
PRBG-140806	14'	8'	6'	14'4"	10'5"	9'6"	14'4"	8'10"	11'6"	2	12000	1
PRBG-140809	14'	8'	9'	14'4"	10'5"	12'6"	14'4"	8'10"	14'6"	2	12000	1
PRBG-140812	14'	8'	12'	14'4"	10'5"	15'6"	14'4"	8'10"	17'6"	4	12000	1
PRBG-141006	14'	10'	6'	14'4"	10'10"	9'6"	14'4"	10'10"	11'8"	2	8000	2
PRBG-141009	14'	10'	9'	14'4"	10'10"	12'6"	14'4"	10'10"	14'8"	2	8000	2
PRBG-141012	14'	10'	12'	14'4"	10'10"	15'6"	14'4"	10'10"	17'8"	4	8000	2
16 ft. Wide Booths												
PRBG-160806	16'	8'	6'	16'4"	10'5"	9'6"	16'4"	8'10"	11'8"	2	8000	2
PRBG-160809	16'	8'	9'	16'4"	10'5"	12'6"	16'4"	8'10"	14'8"	2	8000	2
PRBG-160812	16'	8'	12'	16'4"	10'5"	15'6"	16'4"	8'10"	17'8"	4	8000	2
PRBG-161006	16'	10'	6'	16'4"	10'10"	9'6"	16'4"	10'10"	11'8"	2	8000	2
PRBG-161009	16'	10'	9'	16'4"	10'10"	12'6"	16'4"	10'10"	14'8"	2	8000	2
PRBG-161012	16'	10'	12'	16'4"	10'10"	15'6"	16'4"	10'10"	17'8"	4	8000	2
18 ft. Wide Booths												
PRBG-180806	18'	8'	6'	18'4"	10'5"	9'6"	18'4"	8'10"	11'8"	3	8000	2
PRBG-180809	18'	8'	9'	18'4"	10'5"	12'6"	18'4"	8'10"	14'8"	3	8000	2
PRBG-180812	18'	8'	12'	18'4"	10'5"	15'6"	18'4"	8'10"	17'8"	6	8000	2
PRBG-181006	18'	10'	6'	18'4"	10'10"	9'6"	18'4"	10'10"	11'8"	3	10000	2
PRBG-181009	18'	10'	9'	18'4"	10'10"	12'6"	18'4"	10'10"	14'8"	3	10000	2
PRBG-181012	18'	10'	12'	18'4"	10'10"	15'6"	18'4"	10'10"	17'8"	6	10000	2
20 ft. Wide Booths												
PRBG-200806	20'	8'	6'	20'4"	10'5"	9'6"	20'4"	8'10"	11'8"	4	10000	2
PRBG-200809	20'	8'	9'	20'4"	10'5"	12'6"	20'4"	8'10"	14'8"	4	10000	2
PRBG-200812	20'	8'	12'	20'4"	10'5"	15'6"	20'4"	8'10"	17'8"	8	10000	2
PRBG-201006	20'	10'	6'	20'4"	10'10"	9'6"	20'4"	10'10"	11'8"	4	10000	2
PRBG-201009	20'	10'	9'	20'4"	10'10"	12'6"	20'4"	10'10"	14'8"	4	10000	2
PRBG-201012	20'	10'	12'	20'4"	10'10"	15'6"	20'4"	10'10"	17'8"	8	10000	2

# POWDER BOOTHS

With high-efficiency filtration, fan and motor, the GFS Powder Collection Module delivers superior performance for your powder coating application. A narrow footprint saves valuable floor space. With models available in four CFM ranges and two exhaust orientations, the complete line of Powder Collection Modules accommodates various production levels and shop space restrictions. Modules can be sold separately or integrated into a GFS Powder Recovery Booth.

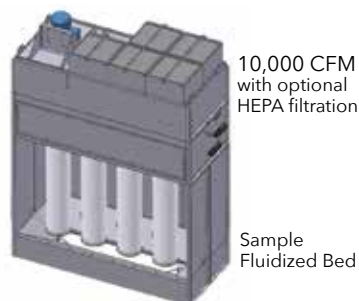
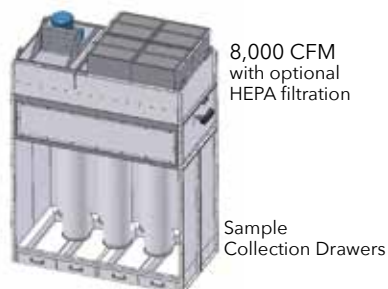
## POWDER COLLECTION MODULES

### MODULE FEATURES

- Galvanized steel panels
- High-efficiency, direct-drive plug fan with TEFC motor
- Cartridge filters are staggered in two rows, reducing the overall module width
- Unique twist-lock filter loading mechanism allows for easy filter replacement
- Adjustable load-triggered filter pulsing for increased filter life
- High-efficiency 12 in. x 53 in. cartridge filters with MERV 12 rating
- 20 in. x 20 in. x 4 in. final filter with MERV 13 rating
- Top or rear exhaust orientation
- Integrated pulse timer board
- Designed to comply with all federal, OSHA and NFPA regulations

### OPTIONS

- White pre-coated panels
- HEPA final filters
- Choice of fluidized bed or collection drawers for easy clean up and powder recovery



Standard Modules	Exhaust Orientation							Number of Filters	
	Top Discharge			Rear Discharge			HP	Final (MERV 13)	Cartridge (MERV 12)
	Width	Height	Depth	Width	Height	Depth			
6,000 CFM	6' 4"	10' 5 1/2"	3' 9"	5' 4"	8' 4 1/4"	5' 5 5/16"	7.5	3	5
8,000 CFM	6' 4"	10' 3 1/2"	3' 9"	5' 4"	8' 4 1/4"	5' 7 9/16"	7.5	4	6
10,000 CFM	8' 4"	10' 5"	3' 9"	6' 4"	8' 4 1/4"	5' 8 3/4"	10	5	7
12,000 CFM	11' 4"	10' 5 1/2"	3' 9"	6' 4"	8' 4 1/4"	5' 5 5/16"	(2) 7.5	6	8

### HIGH PRODUCTION POWDER BOOTHS

Contact GFS for more information regarding High Production Powder Booths.





# BLAST BOOTHS



An alternative to chemical stripping for removing paint is abrasive blasting. Blasting safely and efficiently removes paint by forcibly propelling abrasive material against a surface under high pressure. GFS Blast Booths provide a safe, clean environment for blasting operations. Our Blast Booths are custom engineered, designed and built to meet your unique requirements.

## BOOTH FEATURES

- 11-gauge galvanized steel panels, rigidly reinforced with structural steel
- Panels are pre-punched and companion flanged for easy assembly
- ETL/ETL-C listed, 4 ft., six-tube fluorescent light fixture, mounted behind a polycarbonate light lens
- Blast shields for intake/exhaust vents to prevent media from exiting the enclosure
- Door limit switches to shut down air when booth doors open
- Designed to comply with all federal OSHA and NFPA regulations

## OPTIONS

- 14- or 18-gauge galvanized steel panels
- Rubber liner (1/4 in. thick) for side/end walls and product doors
- Media recovery systems
- Rubber roll-up doors
- Conveyor and crane openings



Shows optional rubber liner





# DUST COLLECTION BOOTHS



## SANDING BOOTHS

### BOOTH FEATURES

- Galvanized steel panels
- Heavy-duty, high-capacity, low-noise plug fan (rated at 1.5 in. static pressure)
- Smooth interior for easy maintenance
- Three-stage filtration system that includes a full set of filters, grids and manometer for filter maintenance
- Energy-efficient, inside-access light fixture(s)
- Recirculates clean air
- Assembly hardware and drawings
- Air make-up not required
- Designed to comply with all federal, OSHA and NFPA regulations

### OPTIONS

- White pre-coated panels
- Classic control panel

### THREE-STAGE FILTRATION SYSTEM

Incorporated into GFS Non-Recovery Powder Booths, the Three-Stage Filtration System is highly effective at capturing high volumes of powder dust (with up to 99.9 percent filter efficiency at 5 microns).



**First Stage**  
Roll Media

**Second Stage**  
Panel Filter

**Third Stage**  
Six-Pocket Bag Filter



DUST COLLECTION **BOOTHS****SANDING BOOTH MODELS**

Standard Model No.	Inside Dimensions			Outside Dimensions			Fan Clear Height	Light Qty	Min. CFM at 1.5" SP	Wheel Diameter	Motor HP
	Width	Height	Depth	Width	Height	Depth					
8 ft. Wide Booths											
DNRG-080806	8'	8'	6'	8'4"	8'2"	10'2"	12'2"	1	6400	25"	3
DNRG-080809	8'	8'	9'	8'4"	8'2"	13'2"	12'2"	1	6400	25"	3
DNRG-080812	8'	8'	12'	8'4"	8'2"	16'2"	12'2"	2	6400	25"	3
DNRG-081006	8'	10'	6'	8'4"	10'2"	10'2"	14'2"	1	8000	25"	3
DNRG-081009	8'	10'	9'	8'4"	10'2"	13'2"	14'2"	1	8000	25"	3
DNRG-081012	8'	10'	12'	8'4"	10'2"	16'2"	14'2"	2	8000	25"	3
10 ft. Wide Booths											
DNRG-100806	10'	8'	6'	10'4"	8'2"	10'2"	12'2"	2	8000	25"	3
DNRG-100809	10'	8'	9'	10'4"	8'2"	13'2"	12'2"	2	8000	25"	3
DNRG-100812	10'	8'	12'	10'4"	8'2"	16'2"	12'2"	4	8000	25"	3
DNRG-101006	10'	10'	6'	10'4"	10'2"	10'2"	14'11"	2	10000	28"	5
DNRG-101009	10'	10'	9'	10'4"	10'2"	13'2"	14'11"	2	10000	28"	5
DNRG-101012	10'	10'	12'	10'4"	10'2"	16'2"	14'11"	4	10000	28"	5
12 ft. Wide Booths											
DNRG-120806	12'	8'	6'	12'4"	8'10"	10'2"	12'11"	2	9600	28"	3
DNRG-120809	12'	8'	9'	12'4"	8'10"	13'2"	12'11"	2	9600	28"	3
DNRG-120812	12'	8'	12'	12'4"	8'10"	16'2"	12'11"	4	9600	28"	3
DNRG-121006	12'	10'	6'	12'4"	10'10"	10'2"	14'11"	2	12000	28"	5
DNRG-121009	12'	10'	9'	12'4"	10'10"	13'2"	14'11"	2	12000	28"	5
DNRG-121012	12'	10'	12'	12'4"	10'10"	16'2"	14'11"	4	12000	28"	5
14 ft. Wide Booths											
DNRG-140806	14'	8'	6'	14'4"	8'10"	10'2"	12'11"	2	11200	28"	5
DNRG-140809	14'	8'	9'	14'4"	8'10"	13'2"	12'11"	2	11200	28"	5
DNRG-140812	14'	8'	12'	14'4"	8'10"	16'2"	12'11"	4	11200	28"	5
DNRG-141006	14'	10'	6'	14'4"	10'10"	10'2"	15'4"	2	14000	38"	5
DNRG-141009	14'	10'	9'	14'4"	10'10"	13'2"	15'4"	2	14000	38"	5
DNRG-141012	14'	10'	12'	14'4"	10'10"	16'2"	15'4"	4	14000	38"	5
16 ft. Wide Booths											
DNRG-160806	16'	8'	6'	16'4"	8'10"	10'2"	12'11"	2	12800	28"	5
DNRG-160809	16'	8'	9'	16'4"	8'10"	13'2"	12'11"	2	12800	28"	5
DNRG-160812	16'	8'	12'	16'4"	8'10"	16'2"	12'11"	4	12800	28"	5
DNRG-161006	16'	10'	6'	16'4"	10'10"	10'2"	15'4"	2	16000	35"	7.5
DNRG-161009	16'	10'	9'	16'4"	10'10"	13'2"	15'4"	2	16000	35"	7.5
DNRG-161012	16'	10'	12'	16'4"	10'10"	16'2"	15'4"	4	16000	35"	7.5
18 ft. Wide Booths											
DNRG-180806	18'	8'	6'	18'4"	8'10"	10'2"	13'4"	3	14400	35"	7.5
DNRG-180809	18'	8'	9'	18'4"	8'10"	13'2"	13'4"	3	14400	35"	7.5
DNRG-180812	18'	8'	12'	18'4"	8'10"	16'2"	13'4"	6	14400	35"	7.5
DNRG-181006	18'	10'	6'	18'4"	10'10"	10'2"	15'4"	3	18000	35"	7.5
DNRG-181009	18'	10'	9'	18'4"	10'10"	13'2"	15'4"	3	18000	35"	7.5
DNRG-181012	18'	10'	12'	18'4"	10'10"	16'2"	15'4"	6	18000	35"	7.5
20 ft. Wide Booths											
DNRG-200806	20'	8'	6'	20'-4"	8'10"	10'2"	13'4"	4	16000	35"	7.5
DNRG-200809	20'	8'	9'	20'-4"	8'10"	13'2"	13'4"	4	16000	35"	7.5
DNRG-200812	20'	8'	12'	20'-4"	8'10"	16'2"	13'4"	8	16000	35"	7.5
DNRG-201006	20'	10'	6'	20'-4"	10'10"	10'2"	15'4"	4	20000	35"	7.5
DNRG-201009	20'	10'	9'	20'-4"	10'10"	13'2"	15'4"	4	20000	35"	7.5
DNRG-201012	20'	10'	12'	20'-4"	10'10"	16'2"	15'4"	8	20000	35"	7.5

# DUST COLLECTION BOOTHS



## SANDING & GRINDING BOOTHS

### BOOTH FEATURES

- 18-gauge galvanized steel panels, precision-flanged and pre-punched for easy assembly
- Heavy-duty, high-capacity plug fan
- Smooth interior for easy maintenance
- Fully assembled module(s) with cartridge filters
- Energy-efficient, inside-access light fixture(s)
- Recirculates clean air
- Air make-up unit not required
- Designed to comply with all federal, OSHA and NFPA regulations

### OPTIONS

- White pre-coated panels
- Fire retardant, acoustical, washable liner
- Conveyor openings
- Booth extensions
- Product doors
- Deluxe control panel
- For sanding/grinding wood or metals, denote SG after the model number  
**Note:** Not recommended for combustible metals.
- For sanding/grinding fiberglass, laminates and composites, denote CO after the model number



## DUST COLLECTION BOOTHS

## SANDING &amp; GRINDING BOOTH MODELS

Standard Model No.	Inside Dimensions			Outside Dimension			No. of Lights	Total CFM	Collector Type / Qty.	
	Width	Height	Depth*	Width	Height	Depth			DCM-4	DCM-7
6 Ft. Wide Booths										
DCBG-060806	6'	8'	6'	6'4"	8'2"	10'0"	1	5120	1	
DCBG-060809	6'	8'	9'	6'4"	8'2"	13'0"	1	5120	1	
DCBG-060812	6'	8'	12'	6'4"	8'2"	16'0"	2	5120	1	
DCBG-061006	6'	10'	6'	6'4"	10'2"	10'0"	1	8960		1
DCBG-061009	6'	10'	9'	6'4"	10'2"	13'0"	1	8960		1
DCBG-061012	6'	10'	12'	6'4"	10'2"	16'0"	2	8960		1
10 Ft. Wide Booths										
DCBG-080806	8'	8'	6'	8'4"	8'2"	10'0"	1	8960		1
DCBG-080809	8'	8'	9'	8'4"	8'2"	13'0"	1	8960		1
DCBG-080812	8'	8'	12'	8'4"	8'2"	16'0"	2	8960		1
DCBG-081006	8'	10'	6'	8'4"	10'2"	10'0"	1	10240	2	
DCBG-081009	8'	10'	9'	8'4"	10'2"	13'0"	1	10240	2	
DCBG-081012	8'	10'	12'	8'4"	10'2"	16'0"	2	10240	2	
10 Ft. Wide Booths										
DCBG-100806	10'	8'	6'	10'4"	8'2"	10'2"	2	10240	2	
DCBG-100809	10'	8'	9'	10'4"	8'2"	13'0"	2	10240	2	
DCBG-100812	10'	8'	12'	10'4"	8'2"	16'0"	4	10240	2	
DCBG-101006	10'	10'	6'	10'4"	10'2"	10'2"	2	14080	1	1
DCBG-101009	10'	10'	9'	10'4"	10'2"	13'0"	2	14080	1	1
DCBG-101012	10'	10'	12'	10'4"	10'2"	16'0"	4	14080	1	1
12 Ft. Wide Booths										
DCBG-120806	12'	8'	6'	12'4"	8'10"	10'0"	2	14080	1	1
DCBG-120809	12'	8'	9'	12'4"	8'10"	13'0"	2	14080	1	1
DCBG-120812	12'	8'	12'	12'4"	8'10"	16'0"	4	14080	1	1
DCBG-121006	12'	10'	6'	12'4"	10'10"	10'0"	2	14080	1	1
DCBG-121009	12'	10'	9'	12'4"	10'10"	13'0"	2	14080	1	1
DCBG-121012	12'	10'	12'	12'4"	10'10"	16'0"	4	14080	1	1
14 Ft. Wide Booths										
DCBG-140806	14'	8'	6'	14'4"	8'10"	10'0"	2	14080	1	1
DCBG-140809	14'	8'	9'	14'4"	8'10"	13'0"	2	14080	1	1
DCBG-140812	14'	8'	12'	14'4"	8'10"	16'0"	4	14080	1	1
DCBG-141006	14'	10'	6'	14'4"	10'10"	10'0"	2	17920		2
DCBG-141009	14'	10'	9'	14'4"	10'10"	13'0"	2	17920		2
DCBG-141012	14'	10'	12'	14'4"	10'10"	16'0"	4	17920		2
16 Ft. Wide Booths										
DCBG-160806	16'	8'	6'	16'4"	8'10"	10'0"	2	17920		2
DCBG-160809	16'	8'	9'	16'4"	8'10"	13'0"	2	17920		2
DCBG-160812	16'	8'	12'	16'4"	8'10"	16'0"	4	17920		2
DCBG-161006	16'	10'	6'	16'4"	10'10"	10'0"	2	19200	2	1
DCBG-161009	16'	10'	9'	16'4"	10'10"	13'0"	2	19200	2	1
DCBG-161012	16'	10'	12'	16'4"	10'10"	16'0"	4	19200	2	1
18 Ft. Wide Booths										
DCBG-180806	18'	8'	6'	18'4"	8'10"	10'0"	3	17920		2
DCBG-180809	18'	8'	9'	18'4"	8'10"	13'0"	3	17920		2
DCBG-180812	18'	8'	12'	18'4"	8'10"	16'0"	6	17920		2
DCBG-181006	18'	10'	6'	18'4"	10'10"	10'0"	3	23040	1	2
DCBG-181009	18'	10'	9'	18'4"	10'10"	13'0"	3	23040	1	2
DCBG-181012	18'	10'	12'	18'4"	10'10"	16'0"	6	23040	1	2
20 Ft. Wide Booths										
DCBG-200806	20'	8'	6'	20'4"	8'10"	10'0"	4	19200	2	1
DCBG-200809	20'	8'	9'	20'4"	8'10"	13'0"	4	19200	2	1
DCBG-200812	20'	8'	12'	20'4"	8'10"	16'0"	8	19200	2	1
DCBG-201006	20'	10'	6'	20'4"	10'10"	10'0"	4	23040	1	2
DCBG-201009	20'	10'	9'	20'4"	10'10"	13'0"	4	23040	1	2
DCBG-201012	20'	10'	12'	20'4"	10'10"	16'0"	8	23040	1	2

\*Working depth is nominal, actual working depth will vary depending on module type selected.

# DUST COLLECTION BOOTHS

GFS Dust Collection Modules operate by pulling air into the module and through a cartridge filtration system. Dust is filtered out, while clean air is exhausted back into the plant. Standard modules obtain up to 99.8 percent efficiency at five microns.

## DUST COLLECTION MODULES

### FEATURES

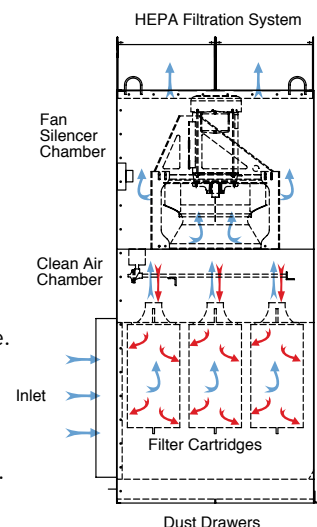
- Factory assembled
- High-efficiency cartridge filtration system
- Heavy-duty construction
- 12-gauge painted mild steel
- Direct-drive blower and motor, 208, 230/460V, 60-Hz, 3 PH
- Compressed air requirements: clean filtered dry air, 6 CFM at 80 to 100 psi
- Complies with all federal, OSHA and NFPA regulations
- Choose door type:  
**Open Louver** for dust and sanding  
**Spark Arrestor** for all grinding applications

### OPTIONS

- Deluxe control panel
- HEPA filtration

### HEPA FILTRATION

Modules can be offered with an additional HEPA filtration system. These models obtain 99.9 percent efficiency at 0.3 microns, and include a magnahelic gauge to monitor HEPA filtration performance. Modules with HEPA filtration meet the requirements for safe hexavalent chromium arrestance.



Standard Model No.	Performance Data				Specifications					Appx. Ship Weight (lbs)	Optional Deluxe Control Panel
	Blower HP	No. Filters	Sq. Ft. Filters	SCFM	Width	Height	Depth*	Dust Stor. (cu. ft.)	Air-Filter Ratio		
Wood & Metals (not recommended for combustible metals)											
DCM-4-SG	5	9	1,719	5,120	4'	8' 2"	4'	4.8	3.0:1	1,550	SBCP-105
DCM-7-SG	7.5	15	2,865	8,960	7'	8' 2"	4'	8.4	3.1:1	2,400	SBCP-107
Fiberglass, Laminates & Composites											
DCM-4-CO	5	9	1,719	5,120	4'	8' 2"	4'	4.8	3.0:1	1,550	SBCP-105
DCM-7-CO	7.5	15	2,865	8,960	7'	8' 2"	4'	8.4	3.1:1	2,400	SBCP-107

HEPA Filtration Model No.	Performance Data								Specifications					Optional Deluxe Control Panel
	Blower HP	No. of Primary Filt.	Sq. Ft. Primary Filt.	No. of HEPA Filt.	Sq. Ft. HEPA Filt.	SCFM	F.P.M. Clean	F.P.M. Dirty	Width	Height	Depth*	Dust Stor.	Air Flow Ratio	
Wood & Metals (not recommended for combustible metals)														
DCM-4H-SG	7.5	9	1,719	4	1,560	5,120	140	120	4'	10' 2"	4'	4.8	3.0:1	SBCP-110
DCM-7H-SG	10	15	2,865	6	2,340	8,960	140	120	7'	10' 2"	4'	8.4	3.1:1	SBCP-115
Fiberglass, Laminates & Composites														
DCM-4H-CO	7.5	9	1,719	4	1,560	5,120	140	120	4'	10' 2"	4'	4.8	3.0:1	SBCP-110
DCM-7H-CO	10	15	2,865	6	2,340	8,960	140	120	7'	10' 2"	4'	8.4	3.1:1	SBCP-115

\*Working depth determined by door type and size



# DUST COLLECTION BOOTHS



## HIGH-PRODUCTION DUST COLLECTORS

GFS' High-Production Dust Collectors have been used with a wide variety of applications, including blasting, welding, mixing and conveyor transfer stations. These Dust Collectors are particularly well suited for filtering very fine particles in large air volumes. Standard models range from a four-cartridge to 80-cartridge capacity, handling small to high volume air capacities.

### FEATURES

- **Downdraft Airflow:** Dust-laden air is pulled from air inlet on the top of the unit, through horizontal filter cartridges and into the collection hopper below.
- **On-Demand Filter Cleaning:** A photohelic gauge on the dust collector monitors pressure change in the cartridge filters. When the filters' differential pressure reaches the upper set point, reverse pulsejet cleaning begins by pulsing compressed air through the filters.
- **Easy Maintenance:** Filter cartridges are easily accessed for service or replacement through portholes on the front of the collector module.



Collector Model No.	Specifications						
	Width	Height	Depth	Filter Cartridge Measure Area	Air-to-Filter Ratio	Number of Cartridge Filters	SCFM
HVC-4-2-1	40"	115"	72"	904	2.7:1	4	2,400
HVC-8-2-2	40"	125"	72"	1,808	2.7:1	8	4,800
HVC-12-2-3	60"	125"	72"	2,712	2.7:1	12	7,200
HVC-16-2-4	80"	125"	72"	3,616	2.7:1	16	9,600
HVC-24-4-3	80"	144"	72"	5,424	2.7:1	24	14,400
HVC-32-4-4	80"	163"	72"	7,232	2.7:1	32	19,200
HVC-36-6-3	120"	144"	72"	8,136	2.7:1	36	21,600
HVC-48-6-4	120"	163"	72"	10,848	2.7:1	48	28,800
HVC-60-10-3	200"	144"	72"	13,560	2.7:1	60	36,000
HVC-72-12-3	240"	144"	72"	16,272	2.7:1	72	43,200
HVC-80-10-4	200"	163"	72"	18,080	2.7:1	80	48,000

The first digit in the model number indicated the total number of filter cartridges in the unit. The second digit indicates the number of horizontal filter rows, and the third digit indicates the number of vertical filter rows.

# INDUSTRIAL OVENS



## BATCH PROCESS OVENS

Designed for drying, curing, baking or preheating, Batch Process Ovens from Global Finishing Solutions feature excellent heat transfer technology in a compact design. The uni-flow air distribution system circulates heated air on both sides of the oven for a balanced, uniform temperature throughout the oven, resulting in a quality finish for your products.

### OVEN FEATURES

- Four in. insulated panels made from 20-gauge aluminized steel with four-pound, heavy-duty mineral wool batt
- Built-in, adjustable uni-flow air distribution tabs allow for uniform temperature
- 12-gauge formed steel support structure with trouble-free, bolt-together assembly
- INSIGHT control panel
- Equipped for natural gas or propane
- Top- or rear-mounted heat chamber
- Standard temperature range: 300-500 degrees Fahrenheit; consult factory for other settings
- Gas supply pressure: 2-5 PSIG
- Airflow switches and interlocks
- Gas manifold features valving that meets FM insurance requirements
- Meets NFPA 86

### OPTIONS

- White pre-coated panels
- Six lbs. mineral wool batt
- Sheet metal or insulated floor
- Exhaust duct components
- Oven cart or truck tracks
- Door limit switches

### CONTROL PANEL FEATURES

GFS' Batch Process Oven comes standard with the INSIGHT control panel. This PLC-based control system continuously monitors all systems for safety and function. The simplistic setup and operating screens, along with built-in help screens, provide the operator with the current status of the oven. The remote operator station comes standard with a pre-wired cable assembly for fast, easy wiring between the operator and the control panel.



### UNI-FLOW AIR DISTRIBUTION

The uni-flow air distribution system with adjustable air distribution tabs circulates heated air on both sides of the oven for a balanced, uniform temperature throughout.



### HEAVY-DUTY, INSULATED PANELS

GFS manufactures our oven panels to ensure quality. Each oven panel is constructed of 20-gauge aluminized steel, with 4 in. of 4 lbs. mineral wool batt for heat retention.

Each oven panel has tongue-and-groove edges with 20-gauge slotted channels for precise assembly.

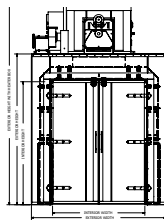


## INDUSTRIAL OVENS

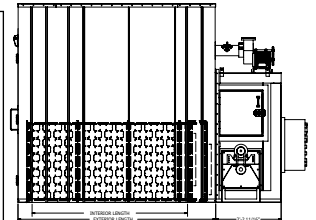
## BATCH PROCESS OVEN MODELS

Model No.	Inside Dimensions			Liquid (150°-300°)							Powder (300°-500°)						
	width	Height	Depth	Air Changes	Burner Size	Recirc. CFM	HP	Exhaust CFM	HP	Exhaust Duct	Air Changes	Burner Size	Recirc. CFM	HP	Exhaust CFM	HP	Exhaust Duct
<b>5 ft. Wide Booths</b>																	
GBO-050605	5'	5'	6'	8	400,000	1,800	2	500	0.5	6"	4	400,000	1,400	2	500	0.5	6"
GBO-050606	5'	6'	6'	8	400,000	1,800	2	500	0.5	6"	4	400,000	1,400	2	500	0.5	6"
GBO-050608	5'	6'	8'	8	400,000	2,400	2	500	0.5	6"	4	400,000	1,800	2	500	0.5	6"
GBO-050610	5'	6'	10'	8	400,000	3,600	5	500	0.5	6"	4	400,000	1,800	2	500	0.5	6"
GBO-050612	5'	6'	12'	8	400,000	3,600	5	500	0.5	6"	4	400,000	2,400	2	500	0.5	6"
<b>6 ft. Wide Booths</b>																	
GBO-060606	6'	6'	6'	8	400,000	2,400	2	500	0.5	6"	4	400,000	1,800	2	500	0.5	6"
GBO-060608	6'	6'	8'	8	400,000	3,600	5	500	0.5	6"	4	400,000	1,800	2	500	0.5	6"
GBO-060610	6'	6'	10'	8	400,000	3,600	5	500	0.5	6"	4	400,000	2,400	2	500	0.5	6"
GBO-060612	6'	6'	12'	8	400,000	5,200	5	500	0.5	6"	4	400,000	2,400	2	500	0.5	6"
GBO-060706	6'	7'	6'	8	400,000	2,400	2	500	0.5	6"	4	400,000	1,800	2	500	0.5	6"
GBO-060708	6'	7'	8'	8	400,000	3,600	5	500	0.5	6"	4	400,000	2,400	2	500	0.5	6"
GBO-060806	6'	8'	6'	8	400,000	3,600	5	500	0.5	6"	4	400,000	1,800	2	500	0.5	6"
GBO-060808	6'	8'	8'	8	400,000	3,600	5	500	0.5	6"	4	400,000	2,400	2	500	0.5	6"
GBO-060810	6'	8'	10'	8	400,000	5,200	5	500	0.5	6"	4	400,000	3,600	5	500	0.5	6"
GBO-060812	6'	8'	12'	8	400,000	6,400	7.5	500	0.5	6"	4	400,000	3,600	5	500	0.5	6"
<b>8 ft. Wide Booths</b>																	
GBO-080808	8'	8'	8'	8	400,000	5,200	5	500	0.5	6"	4	400,000	3,600	5	500	0.5	6"
GBO-080810	8'	8'	10'	8	400,000	6,400	7.5	500	0.5	6"	4	1,000,000	5,200	5	750	0.5	6"
GBO-080812	8'	8'	12'	8	400,000	9,600	10	750	0.5	8"	4	1,000,000	5,200	5	750	0.5	6"
GBO-080814	8'	8'	14'	8	400,000	9,600	10	750	0.5	8"	4	1,000,000	6,400	7.5	750	0.5	8"
GBO-080816	8'	8'	16'	8	400,000	12,000	10	750	0.5	8"	4	1,000,000	6,400	7.5	750	0.5	8"
GBO-080818	8'	8'	18'	8	400,000	12,000	10	750	0.5	8"	4	1,000,000	9,600	10	750	0.5	8"
GBO-080820	8'	8'	20'	8	400,000	14,000	10	1000	0.5	8"	4	1,000,000	9,600	10	750	0.5	8"
GBO-081008	8'	10'	8'	8	400,000	6,400	7.5	500	0.5	6"	4	1,000,000	5,200	5	750	0.5	6"
GBO-081010	8'	10'	10'	8	400,000	9,600	10	750	0.5	8"	4	1,000,000	5,200	5	750	0.5	6"
GBO-081012	8'	10'	12'	8	400,000	9,600	10	750	0.5	8"	4	1,000,000	6,400	7.5	750	0.5	6"
GBO-081014	8'	10'	14'	8	400,000	12,000	10	1000	0.5	8"	4	1,000,000	6,400	7.5	750	0.5	6"
GBO-081016	8'	10'	16'	8	400,000	14,000	10	1000	0.5	8"	4	1,000,000	9,600	10	750	0.5	8"
GBO-081018	8'	10'	18'	8	400,000	14,000	10	1000	0.5	8"	4	1,000,000	9,600	10	750	0.5	8"
GBO-081020	8'	10'	20'	8	1,000,000	20,000	15	1500	1	10"	4	1,000,000	12,000	10	1000	0.5	8"
<b>10 ft. Wide Booths</b>																	
GBO-101008	10'	10'	8'	8	400,000	9,600	10	750	0.5	8"	4	1,000,000	5,200	5	750	0.5	6"
GBO-101010	10'	10'	10'	8	400,000	12,000	10	750	0.5	8"	4	1,000,000	6,400	7.5	750	0.5	8"
GBO-101012	10'	10'	12'	8	400,000	14,000	10	1000	0.5	8"	4	1,000,000	9,600	10	750	0.5	8"
GBO-101014	10'	10'	14'	8	400,000	14,000	10	1000	0.5	8"	4	1,000,000	9,600	10	750	0.5	8"
GBO-101016	10'	10'	16'	8	1,000,000	20,000	15	1500	1	10"	4	1,000,000	12,000	10	1000	0.5	8"
GBO-101018	10'	10'	18'	8	1,000,000	20,000	15	1500	1	10"	4	1,000,000	12,000	10	1000	1	10"
GBO-101020	10'	10'	20'	8	1,000,000	20,000	15	1500	1	10"	4	1,000,000	14,000	10	1500	1	10"

TOP-MOUNTED HEATER



REAR-MOUNTED HEATER



# INDUSTRIAL OVENS

## BURN-OFF OVENS

Heat cleaning is a safe, efficient method for removing baked-on paint from racks, hooks and fixtures. A leader in heat transfer technology, GFS uses this heat cleaning technology in our Batch Burn-Off Ovens to safely remove paint. Air temperatures of 750 degrees Fahrenheit ignite the baked-on paint, turning it to ash.

A Batch Burn-Off Oven can be used in conjunction with the Batch Burn-Off Washer for ash cleanup and containment, refer to page 72. This technology limits labor costs, minimizes environmental impact and maximizes profit potential.



### BENEFITS

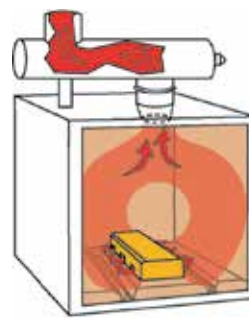
- Eliminates hazardous chemicals in the workplace
- Very low labor cost
- Limited secondary clean-up
- Oven controls are fully automatic
- Compact design saves valuable floor space
- Central heat distribution for optimum balance of heat

### OPTIONS

- Custom controls and sizes
- Stainless steel oven interior
- Customized cart
- Temperature indicating package chart recorder (dual pen)
- FM or IRI controls

### SAFE AND CLEAN

The afterburner eliminates hazardous contaminants in the paint, thermally destroying pollutants at temperatures ranging from 1400 to 1900 degrees

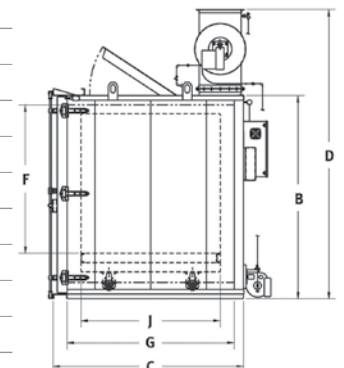
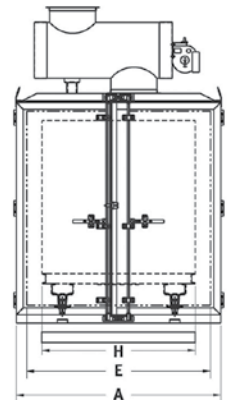


Fahrenheit. What's left is a small amount of ash that can be easily shaken or brushed off. In most areas, this ash is not considered hazardous waste.

GFS ovens are approved by air quality authorities throughout the U.S., Canada and overseas.

Model No.	External Dimensions			After-burner	Max. Product Dim.			Cart Size		Total Internal Volume	Approx. Weight
	Width A	Height B	Depth C		Width E	Over Cart F	Depth G	Width	Depth		
BBO-3303	56"	66"	56"	100"	36"	36"	36"	36"	36"	68	2,800
BBO-4404	68"	78"	68"	112"	48"	48"	48"	48"	48"	132	3,500
BBO-4406	68"	78"	92"	112"	48"	48"	72"	48"	72"	184	3,800
BBO-5505	80"	90"	80"	124"	60"	60"	60"	60"	60"	226	4,000
BBO-6606	92"	102"	92"	136"	72"	72"	72"	72"	72"	356	6,000
BBO-6608	92"	102"	116"	144"	72"	72"	96"	72"	96"	458	6,600
BBO-6610	92"	102"	140"	144"	72"	72"	120"	72"	120"	560	7,300
BBO-6612	92"	102"	164"	144"	72"	72"	144"	72"	144"	662	8,000
BBO-6706	92"	114"	92"	148" +	72"	84"	72"	72"	72"	405	6,600
BBO-6708	92"	114"	116"	156"	72"	84"	96"	72"	96"	521	7,200
BBO-6710	92"	114"	140"	156"	72"	84"	120"	72"	120"	637	8,000
BBO-6808	92"	126"	116"	132" +	72"	96"	96"	72"	96"	584	7,400
BBO-6810	92"	126"	140"	132" +	72"	96"	120"	72"	120"	714	8,400
BBO-7606	104"	102"	92"	136"	84"	72"	72"	84"	72"	407	5,000
BBO-7608	104"	102"	116"	144"	84"	72"	96"	84"	96"	524	7,200
BBO-7610	104"	102"	140"	144"	84"	72"	120"	84"	120"	640	8,000
BBO-8808	116"	126"	116"	132" +	96"	96"	96"	96"	96"	751	9,000
BBO-8810	116"	126"	140"	168"	96"	96"	120"	96"	120"	918	9,000
BBO-8812	116"	126"	164"	168"	96"	96"	144"	96"	144"	1,085	12,000
BBO-8814	116"	126"	188"	168"	96"	96"	168"	96"	168"	1,249	15,000

+ Rear Mount Afterburner





# INDUSTRIAL OVENS



## CONTINUOUS BURN-OFF SYSTEMS

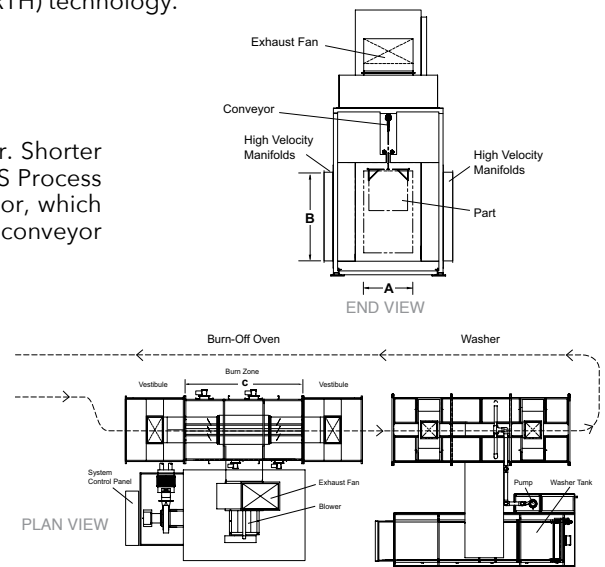
GFS' Continuous Burn-Off Oven is designed for high-volume rack and hook stripping. Racks and hooks travel through a refractory-lined heated chamber, where air temperatures of 1000 to 1200 degrees Fahrenheit ignite the paint, turning it to ash. From there, the hooks and racks enter a Continuous Burn-Off Washer, where water rinses the ash off and cools them.

Speed, efficiency and cost savings make the Continuous Burn-Off Oven the smart choice for high-volume rack stripping applications. In as little as four to six minutes, the burn-off oven removes paint from racks and hooks. The key to this oven's remarkable performance is high velocity manifolds and Rapid Heat Transfer (RTH) technology.

## SATELLITE SYSTEM SAVES SPACE

If there are space restrictions in your plant, the Satellite System is the answer. Shorter than inline units, the Satellite Systems adapt easily to smaller spaces. The GFS Process Heater - RHT system is offline from the paint system so it has its own conveyor, which typically runs at 1-3 FPM. Racks and hooks must be transferred from the system conveyor to the process heater conveyor.

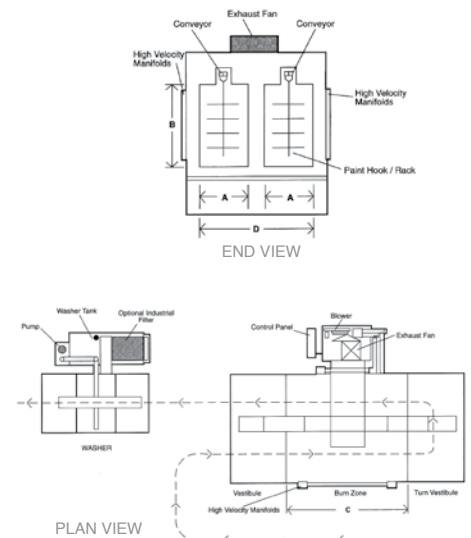
Model No.	Process Heater RHT (Internal)			High Velocity Manifolds	Washer		
	Width	Height	Length		Width	Height	Length
	A	B	C				
55-206/518	2'	5'	20'	6	4'	5'	18'
76-247/518	2.5'	7'	24'	7	4'	7'	18'
77-289/718	3'	7'	28'	9	4'	7'	18'



## DUAL-PASS INLINE SYSTEM

Compared to a typical, straight-through unit, GFS' dual-pass inline system greatly reduces the necessary BTUs and overall gas consumption, resulting in significant cost savings. First, racks travel through the heated chamber, then are turned 180 degrees Fahrenheit in a vestibule and travel back through the heated chamber. Because it's an inline system, the conveyor runs at higher speeds than typical systems, resulting in reduced handling and more efficient performance.

Model No.	Work Opening		Burn Zone	Outside Profile	High Velocity Manifolds	Washer		
	Width	Height		Plates		Width	Height	Length
	A	B	Length x 2	D				
55-206/518	2'	5'	20'	5'	6	4'	5'	18'
76-247/518	2.5'	7'	24'	6'	7	4'	7'	18'
77-289/718	3'	7'	28'	7'	9	4'	7'	18'



**Note:** Air quality issues, some locations may require an air pollution control device be attached to the exhaust air stream.



# INDUSTRIAL OVENS



## CONTINUOUS PROCESS OVENS

GFS' Continuous Process Ovens are designed to move products through the heat zone, as part of a finishing system. These modular, factory-built, convection type ovens operate at temperatures ranging from 100 to 600 degrees Fahrenheit, and can be heated with gas, fuel, oil or electricity. Continuous Process Ovens can be used for a wide variety of applications, including paint drying, powder curing, e-coat curing, drying and heat treating.

### FEATURES

- Structural modular steel framing
- Insulated aluminized panels (20 ga.)
- Interior aluminized duct (16 ga.)
- Recirculating blower(s)
- Exhaust fan(s)
- Control panel (Type-12)
- Temperature control instruments
- Combustion safeguards (FM/IRI)
- Gas train (FM/IRI)
- Ignition system
- Burner
- Burner box
- Prime and finish paint
- Conveyor openings



# WASHERS



## MULTI-STAGE, PRE-TREATMENT SYSTEMS & PARTS WASHERS

GFS Industrial Pre-Treatment Washers are used for cleaning and preparing substrates prior to powder and liquid coating, electro coating and autophoretic coating. Industrial Washers have also been used before or after machining or forming of component parts. Parts requiring high corrosion protection, such as exterior automobile parts, aluminum wheels, appliances and office furniture, often require multiple washer stages, as determined by your specific process. GFS has designed and built complete pre-treatment washer systems.

### STANDARD FEATURES

#### TANKS

- Stainless steel tanks (T-304) (3/16 in.)
- Overflow gutters on all stages
- Dual 304 filter screens, with bottom sludge dam
- Heating equipment (gas fired immersion)
- Removable water sealed access covers
- Sloped tanks to sump drain for easy cleanout

#### HOUSING

- 304 Stainless steel housing/Polypropylene roof panels
- Drain decks sloped (70/30 with 2 in. center dam)
- Bulkhead-type access doors in drain stages
- Entrance and exit exhaust vestibules
- Silhouettes in between all spray sections
- Stainless steel grating in solution tanks
- Special housing construction (bolted construction)

#### PIPING

- CPVC schedule 80 header piping with quick disconnects (overhead)
- CPVC schedule 80 risers with quick disconnects
- Drains, overflows, & counter-flow piping (CPVC schedule 80)
- Rapid fill bypass on all stages
- Vertical pumps with SS fitted components and CPVC schedule 80 piping
- Thermometers (heated stages)
- Pressure gauges (all stages)

#### CONTROLS

- (UL) (MCP) Main control panel (PLC) based
- Electronic solution level controls on all stages
- Gas trains
- Control thermocouples (Heated stages)

### OPTIONAL CONSTRUCTION & MAINTENANCE EQUIPMENT

- Polypropylene housing and rinse tanks construction
- Mild steel tank and canopy construction
- Insulated tanks with stainless steel 20-gauge sheeting
- Insulated housing with 20-gauge sheeting
- Manual solution level controls
- Automatic chemical control and feed systems
- Particle filtration systems
- Oil separation systems
- Access stairs and platforms
- Evaporator (zero discharge) wastewater treatment systems
- Conveyor shrouds in spray and drain stages
- Pressurized conveyor shrouds
- Tank clean out marine doors

# WASHERS

## BATCH BURN-OFF WASHERS

GFS' Batch Burn-Off Washer is designed for secondary cleanup of burned off racks, hooks, fixtures and parts. Overhead and corner nozzles spray water on the part, flushing the loose paint ash from the surface.

This ash travels to the filtration area, where it is collected for manual removal. Overhead roll-up doors, located at the front and rear of the booth, allow the operator to access the load for manual detailing and final removal.

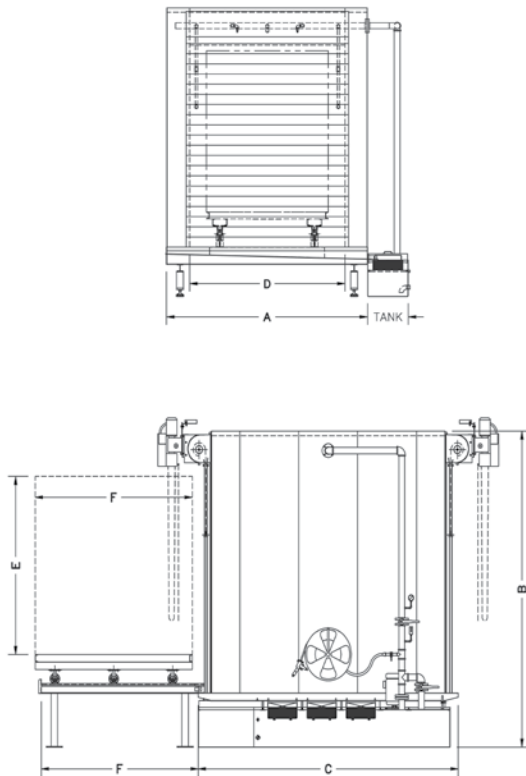


### WASHER FEATURES

- Constructed of 10-gauge steel and heavy structural steel support with one overhead roll-up doors
- Heavy-duty structural steel cart with track extension
- Header and spray nozzle system
- Manual rinse station with wand and hose for detailing of parts
- Polypropylene roof panels for greater visibility inside of booth
- Reservoir tank made of 10-gauge steel
- Media filter baskets with handles for easy removal of ash
- Low solution level switch to prevent pump cavitation

### OPTIONS

- Auxiliary manual power washer (2 FPM at 1000 psi)
- Overhead hoist (electric, 2000 lbs.)
- Turntable
- Additional roll-up door
- Customized cart



Model No.	External Dimensions			Load Area*			Load Volume Ft3
	Width A	Height B	Depth C	Width D	Height E	Depth F	
WBBO-3303	84	109	60	36	36	36	27
WBBO-3403	84	121	60	36	48	36	36
WBBO-3505	84	133	84	36	60	60	75
WBBO-4404	96	121	72	48	48	48	64
WBBO-4504	96	133	72	48	60	48	80
WBBO-4604	96	145	72	48	72	48	96
WBBO-5505	108	133	84	60	60	60	125
WBBO-5605	108	145	84	60	72	60	150
WBBO-5705	108	157	84	60	84	60	175
WBBO-6404	120	121	72	72	48	48	96
WBBO-6505	120	133	84	72	60	60	150
WBBO-6606	120	145	96	72	72	72	216
WBBO-6706	120	157	96	72	84	72	252
WBBO-6806	120	169	96	72	96	72	288
WBBO-7606	132	145	96	84	72	72	252
WBBO-7706	132	157	96	84	84	72	294
WBBO-8505	144	133	84	96	60	60	200
WBBO-8606	144	145	96	96	72	72	288
WBBO-8706	144	157	96	96	84	72	336
WBBO-8806	144	169	96	96	96	72	384

All dimensions are approximate, in inches.

\* Dimensions are wall to wall and height over cart.

# WATER WASH BOOTHS

GFS' Water Wash Spray Booths provide an extremely efficient means for removing paint particles from the exhaust air, resulting in a cleaner painting environment for superior quality finishes, increased productivity and improved working conditions. Water Wash Spray Booths are ideal when using large quantities of coatings. GFS is experienced at designing and building Water Wash Booths to meet your specific size and configuration requirements. GFS will work with you to determine the best solution for your needs.

## FEATURES

- Efficient airborne particulate removal
- Water wash scrubber with enhanced impingement technology
- High volume capture efficiency
- EnviroTect & Dynaprecipitor™ models available

## ENVIROTECT BOOTHS

EnviroTect washer section employs a built-in trough which provides an initial wetting action on the particulates. This enables the EnviroTect booth to perform efficiently with even the most difficult coating materials. Straight line, non-turbulent airflow through this spray curtain improves paint particulate capture and cleaning action while reducing energy consumption.

Air/liquid nozzles are spaced as necessary depending on production and air volume requirements. Interior surfaces are wetted to eliminate paint overspray build-up which reduces booth cleaning and captures the paint within the eliminator for removal.

### ENVIROTECT F7

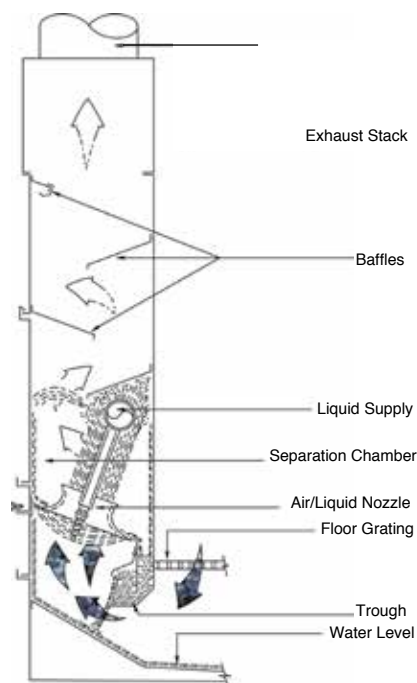
- Designed for standard industrial applications
- Rated as passing less than five grains solids per 1000 CFM\*
- Features reduced energy requirements

### ENVIROTECT F10

- High-efficiency booth designed for heavy industrial painting
- Rated as passing less than three grains solids per 1000 CFM\*

## ENVIROTECT VERTICAL FLOW MODEL FEATURES

- Static pressure: 3.5 in. WC (F7 models)  
5.0 in. WC (F10 models)
- Air Nozzle Diameter: 17 in. minimum I.D. (F7 models)  
14 in. minimum I.D. (F10 models)
- Liquid Nozzle: 150 GPM
- Liquid Nozzle Pressure: 4 psi
- Air and liquid nozzles are made of 316 stainless steel





# WATER WASH BOOTHS



## DYNAPRECIPITOR™ BOOTHS

Global Finishing Solutions' (GFS) Dynaprecipitor Water Wash Spray Booth handles a larger variety of paints in a wider range of viscosities and drying speeds, at higher production rates than any conventional spray booth.

This booth employs two well-known engineering principles to remove paint particles from exhaust air in painting operations. First, by drawing air through a continuous curtain of moving water, suspended paint particles are scrubbed out. Second, when air carrying paint particles makes a sudden change in direction of flow, centrifugal force slings the solid particles out of the air stream (called impingement). Entrained paint particles are thrown against adjacent walls and curtains. Water then flushes the particles into the collecting pan. Through these two actions the air reaching the exhaust stack is virtually free of airborne particles, keeping the stack area cleaner longer.

The wash water should be treated (compounded). This causes the paint particles to coagulate and allows convenient skimming when cleaning out the collection pan. GFS recommends that the end user enlist the support of an experienced chemical supplier that will provide the paint testing required to support the chemical treatment for controlling the pH, foaming and detactifier agent to enhance the performance of the water wash equipment.

## DYNAPRECIPITOR BOOTH FEATURES

Constructed of 18-gauge galvanized panels for field assembly:

- An upper and lower wash chamber
- Large capacity collecting pan
- Slotted water intake pipe to ensure sediment-free water
- Circulating water to maintain a constantly flushed system
- Removable manifold for easy maintenance
- Hinged water curtain to allow easy access to the rear of the collecting pan
- Access door located just below the fan for easy maintenance
- External float box with level control

### SPACE SAVER

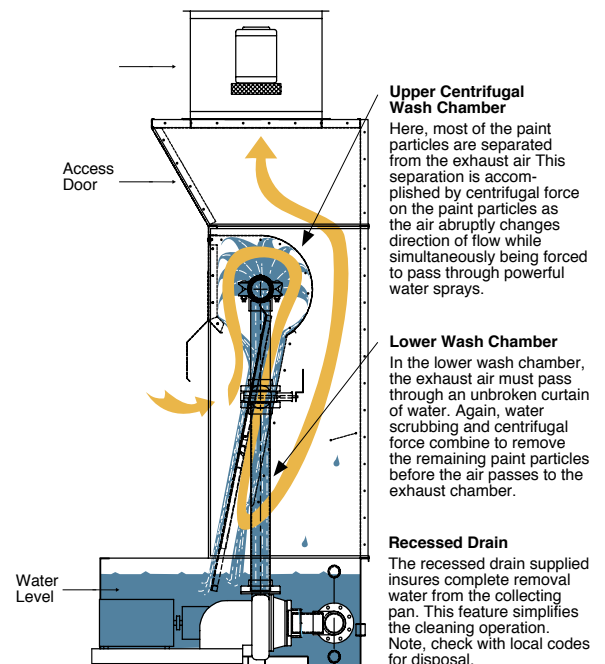
The booth saves floor space. Its short-depth wash unit gives water-wash-spray-booth advantages while occupying conventional booth space.

### EASY MAINTENANCE

Hinged front water curtain permits easy skimming of coagulated paint particles from collecting pan. Optional automatic centrifugal separators are available.

### CIRCULATING SYSTEM

Circulating water forms a continuous, constantly flushed system that has no sediment-accumulating dead ends. Rate of water flow is quickly adjustable. An automatic water level control supplies make-up water to compensate for slight daily evaporation loss.



**Note:** Water Wash chambers work well in crossdraft and downdraft spray booth configurations. For questions about drains, exhaust and motors, please contact GFS.



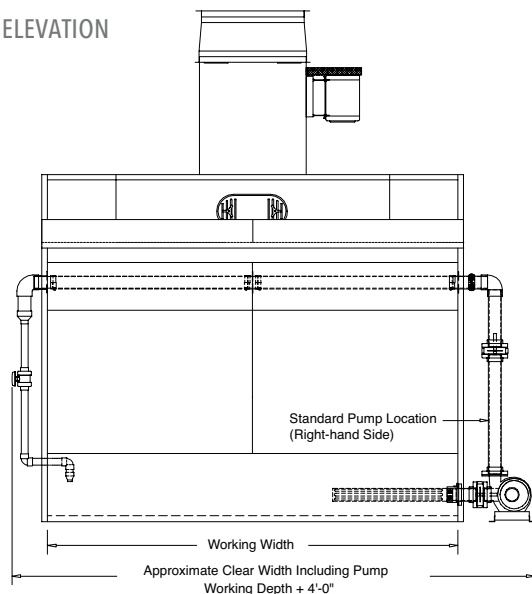
# WATER WASH BOOTHS

## DYNAPRECIPITOR™ BOOTH MODELS

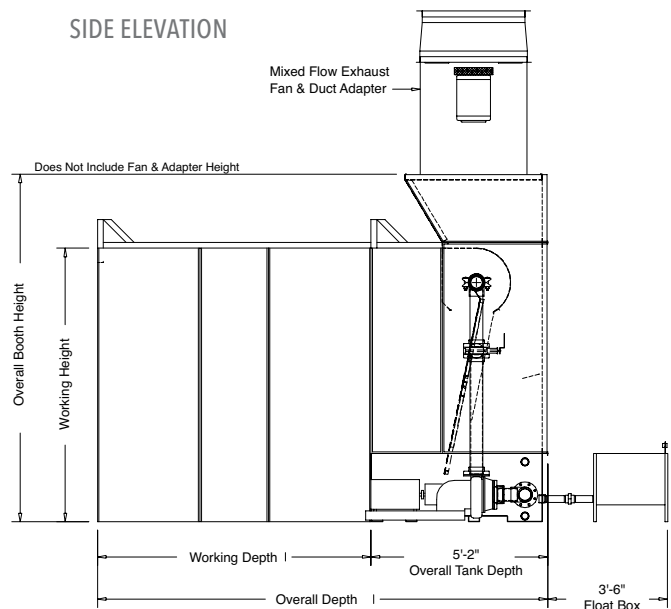
Standard Model No.	Working Dimensions		Overall Dimensions		Airflow SCFM at 1.3" SP	Exhaust Duct	Exhaust	Pump		No. Light Fixtures
	Width	Depth	Height	Depth		Diameter	HP	GPM	HP	
7 ft. Height Booths										
WWDE-060706	6'-0"	6'-0"	10'-2"	11'-2"	5250	24"	3	228	5	1
WWDE-080706	8'-0"	6'-0"	10'-2"	11'-2"	7000	24"	5	284	5	1
WWDE-100706	10'-0"	6'-0"	10'-2"	11'-2"	8750	30"	5	340	5	2
WWDE-120708	12'-0"	8'-0"	10'-2"	13'-2"	10500	30"	7.5	396	7.5	2
WWDE-140708	14'-0"	8'-0"	10'-2"	13'-2"	12250	30"	7.5	452	7.5	2
WWDE-160708	16'-0"	8'-0"	10'-2"	13'-2"	14000	36"	7.5	508	7.5	2
WWDE-180708	18'-0"	8'-0"	10'-2"	13'-2"	15750	30" (2)	5 (2)	564	7.5	3
WWDE-200708	20'-0"	8'-0"	10'-2"	13'-2"	17500	30" (2)	5 (2)	585	7.5	4
8 ft. Height Booths										
WWDE-060806	6'-0"	6'-0"	10'-2"	11'-2"	6000	24"	3	228	5	1
WWDE-080806	8'-0"	6'-0"	10'-2"	11'-2"	8000	30"	5	284	5	1
WWDE-100806	10'-0"	6'-0"	10'-2"	11'-2"	10000	30"	5	340	5	2
WWDE-120808	12'-0"	8'-0"	10'-2"	13'-2"	12000	30"	7.5	396	7.5	2
WWDE-140808	14'-0"	8'-0"	10'-2"	13'-2"	14000	36"	7.5	452	7.5	2
WWDE-160808	16'-0"	8'-0"	10'-2"	13'-2"	16000	36"	7.5	508	7.5	2
WWDE-180808	18'-0"	8'-0"	10'-2"	13'-2"	18000	30" (2)	5 (2)	564	7.5	3
WWDE-200808	20'-0"	8'-0"	10'-2"	13'-2"	20000	30" (2)	5 (2)	585	7.5	4
10 ft. Height Booths										
WWDE-081006	8'-0"	6'-0"	10'-2"	11'-2"	10000	30"	5	284	5	2
WWDE-101006	10'-0"	6'-0"	10'-2"	11'-2"	12500	30"	7.5	340	5	2
WWDE-121008	12'-0"	8'-0"	10'-2"	13'-2"	15000	36"	7.5	396	7.5	2
WWDE-141008	14'-0"	8'-0"	10'-2"	13'-2"	17500	36"	10	452	7.5	2
WWDE-161008	16'-0"	8'-0"	10'-2"	13'-2"	20000	42"	15	508	7.5	2
WWDE-181008	18'-0"	8'-0"	10'-2"	13'-2"	22500	30" (2)	5 (2)	564	7.5	3
WWDE-201008	20'-0"	8'-0"	10'-2"	13'-2"	25000	30" (2)	7.5 (2)	585	7.5	4

**Note:** Contact GFS for Conveyor Type Models

FRONT ELEVATION



SIDE ELEVATION



# RECIRCULATING PAINT BOOTHS



## ACCURATE CLIMATE CONTROL

GFS Recirculating Paint Booths provide accurate control of climate and airflow, while providing the most efficient operating system possible. This type of booth is often used in conjunction with temperature and humidity controls, regenerative thermal oxidizers and other VOC abatement equipment. Not to overlook safety, all GFS Recirculating Booths include all of the required airflow monitoring systems and controls to ensure a completely safe operating environment during all modes of operation.

- 99.9 percent particulate removal down to 0.5 microns
- Major cost reduction in energy usage and emission control equipment
- Features up to 100 percent VOC control

## HOW IT WORKS

### ENCLOSED BOOTHS

- Features a recirculation loop and an exhaust/fresh air loop. Both are separately controlled.
- Recirculation loop, controlled by the Consta-Flow System, maintains constant airflow in the recirculation ducts regardless of filter loading.
- Exhaust/fresh air loop, controlled by Auto-Balance System, maintains constant pressure in the booth cabin regardless of filter loading.
- Fan motors are controlled by variable frequency drives (VFDs) that change the fan motor speed as filters load.

### CONVEYORIZED BOOTHS

- Primary fan/motor unit provides an internal cross ventilation airflow through the booth.
- Fresh air enters the booth through conveyor openings.
- Consta-Flow system automatically adjusts the recirculation fan to the changing conditions of the exhaust filters.
- VFD controls fan motor, differential pressure gauge and sensing probes that monitor the static pressure.

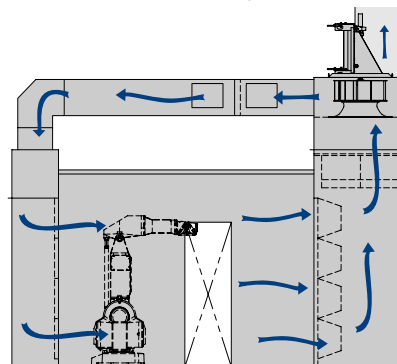
### ENERGY & COST SAVINGS

Recirculation is an effective method of reducing operating costs of the paint booth. GFS recirculation booths reduce operating costs by using less energy and exhausting less air. For example, at a recirculation ratio of 80/20, energy use is reduced by a factor of five. In addition to energy saving, a recirculation booth can also provide capital expense savings, since equipment (air handling and abatement) is reduced in size when using a recirculation booth.

### Automatic Paint Spray Booths

Total Recirculating	16,000 CFM
Exhaust	4,000 CFM
Total Airflow	20,000 CFM

Automatic Recirculating capacity with conveyor opening

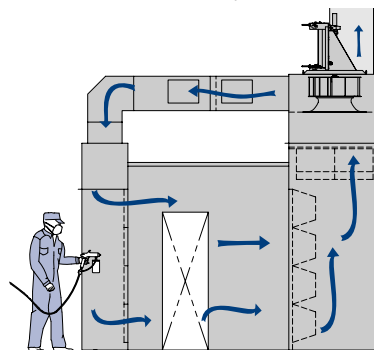


Example:  
By Recirculating  
16,000 CFM, this  
system reduces  
exhaust by 88%

### Manual Paint Spray Booths

Total Recirculating	5,000 CFM
Exhaust	3,000 CFM
Total Airflow	8,000 CFM

Manual Recirculating capacity with conveyor opening



Example: By  
Recirculating  
5,000 CFM, this  
system reduces  
exhaust by 62.5%



With dedicated engineering, design, project management, installation, and service and support staff, GFS has the ability and expertise to create and implement turnkey, state-of-the-art integrated finishing solution that will contribute to your company's cash flow by reducing costs and achieving increased operating efficiency.

- Robotics integration
- RO systems
- Paint recovery systems
- Hazardous material storage buildings
- Paint application systems
- Batch burn-off ovens
- Continuous burn-off ovens

## CONVEYORS

- Overhead (continuous chain vs. power and free)
- Pallet (CDLR, chain strand, walking beam)
- Floor cart
- Custom automation (rotators, lowerators, programmable hoist)

- Booth function and robotics
- Structural support
- Integration with booth controls
- Testing/set up

- Continuous washers
- Dip tanks
- Multi-stage batch washers
- Automated blow-offs
- RO water systems
- Waste handling (RTO, sludge, etc.)

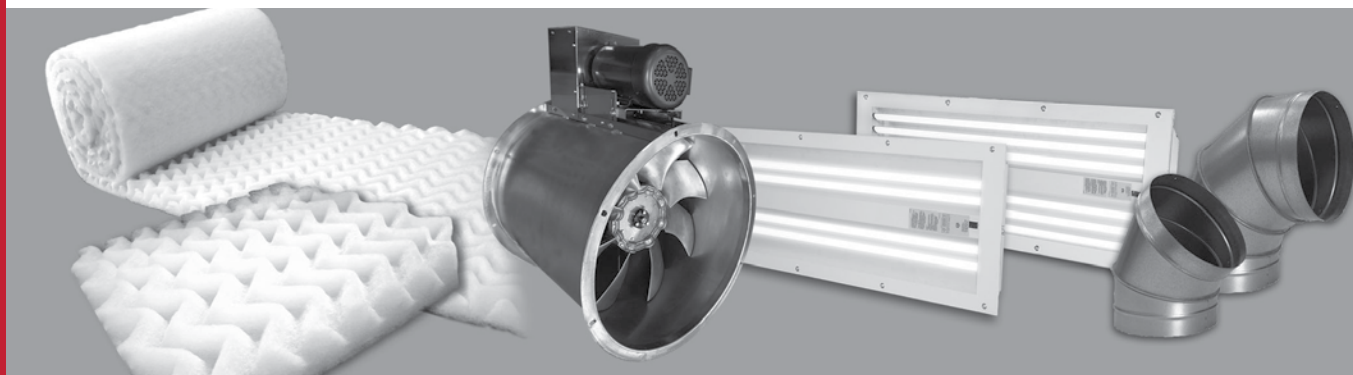
- Dry filter
- Water wash
- Recirculation
- Custom configurations

- Conveyorized wheel blast
- Flat lines

- Liquid
- Powder curing
- E-coat
- Infrared
- Dehydration

- Automated balancing and monitoring
- System functionality and sequencing
- Air handling systems
- Environmental control

# ACCESSORIES



## FULL SERVICE PARTS & FILTERS DEPARTMENT

GFS offers a full-service parts and filters department dedicated to providing top-quality replacement parts sourced from industry-leading suppliers. Many parts are kept in stock at GFS for quick turnaround and fast shipping to virtually any location across North America and the world.

GFS' quest for product quality and performance has resulted in a complete line of accessories that have been designed and manufactured for durability and long-lasting, trouble-free service.

CONTACT GFS IF YOU NEED THE FOLLOWING REPLACEMENT PARTS AND COMPONENTS:

- |                         |                     |                           |
|-------------------------|---------------------|---------------------------|
| • Booth Shield®         | • Filters           | • Lighting                |
| • Control panels        | • Filter racks      | • Miscellaneous parts     |
| • Doors                 | • GFS Wave® Filters | • Motors                  |
| • Ductwork              | • Grates and pans   | • Oven components         |
| • Electrical components | • Hardware          | • Paint booth accessories |
| • Fans                  | • Insulation        | • Replacement panels      |

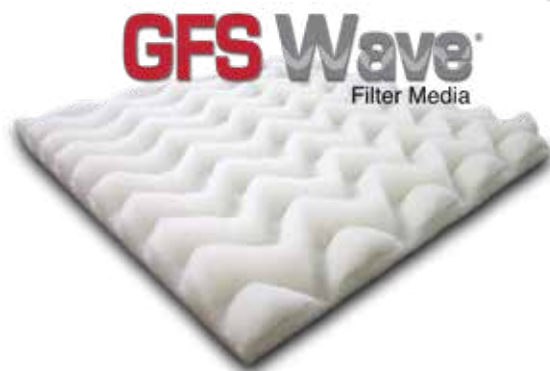
## FEATURED PRODUCTS

### BOOTH SHIELD STRIPPABLE COATING

Booth Shield® product line provides superior protection and creates a safer spraying environment. The coatings can be applied quickly and easily for instant brightening and surface protection. The film can be removed easily, without damaging the underlying substrate.

### GFS WAVE

GFS Wave® media is designed to efficiently capture and retain overspray with its unique "wave" surface design. The most versatile single-stage filtration media made for paint booths, GFS Wave provides exceptional paint holding capabilities and a clean exhaust air stream with its 99.85 percent particulate removal efficiency.



## NOTES

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800.848.8738 • [info@globalfinishing.com](mailto:info@globalfinishing.com)

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