



## Job-Specific Guide

<b>Customer Name:</b>	
<b>Distributor:</b>	
<b>Model Number(s):</b>	
<b>Serial Number(s):</b>	
<b>PO Number:</b>	
<b>Control Panel(s):</b>	
<b>Standard Manuals – Access via the URL Below:</b> <a href="https://globalfinishing.com/resources/owner-manuals/">https://globalfinishing.com/resources/owner-manuals/</a>	
<b>Manuals provided via box.com:</b>	

# Introduction

## About Global Finishing Solutions LLC

### Leading the Industry in Paint Booth and Finishing System Technology

With decades of experience, Global Finishing Solutions is the leading manufacturer of paint booths and finishing systems for many industries, including automotive refinish, aerospace and defense, industrial manufacturing, woodworking, and large equipment. By combining high-quality components, strong relationships with paint manufacturers, and our experienced distribution network, GFS provides the best equipment and support to set your business up for success.

## Contacting Global Finishing Solutions

### General information

- Toll-free: 800-848-8738
- Fax: 715-597-2193
- Email: [info@globalfinishing.com](mailto:info@globalfinishing.com)
- Online: [www.globalfinishing.com](http://www.globalfinishing.com)

### Technical support

- Toll-free: 800-848-8738
- Fax: 715-597-8818
- Email: [techservices@globalfinishing.com](mailto:techservices@globalfinishing.com)

### Parts and filters

- Toll-free: 800-848-8738
- Fax: 888-338-4584
- Email: [parts@globalfinishing.com](mailto:parts@globalfinishing.com)

## About this document

This document contains information specific to your order.

GFS recommends that you **retain this document** for reference.

# Components and spare parts

The tables on the following page(s) list the parts and components that are included in your equipment. Refer to the information in this table when ordering these parts.

## U130240 A SPARE PARTS LIST

Spare Parts List			
Part Number	Description	Component Type	Qty.
242-001	MANOMETER STD 0-3 IN WATER COLUMN	AIR	1
242-019	VALVE SOLENOID 3-WAY N.C. 1/2 FPT FOR 120V UNIT	AIR	1
211-202	V-BELT A37	BELT	1
213-402	SHEAVE DRIVEN MBL 35	FAN	1
PVP-283610	PULLEY VP 5/8BR 1B 1VP34-5/8	FAN	1
ATA-18-007T3T	FAN - 18DIA - 3/4HP - TEFC 3PH TV	FAN	1
206-118LM	FAN TUBE AXIAL AEROVENT BTABD 18 INCH LMD	FAN	1
213-502	BUSHING LX1	FAN	1
FIL-EPP-2020-W	FILTER 20INX20IN GFS WAVE	FLTR	30
248-016	RUBBER TIP - FILTER GRID STD	HDWR	35
217-003	20 X 20 FILTER GRID / STD	HDWR	8
LA-219	LABEL FILTER SPECIFICATION	LABEL	1
LABW12-4-LED	LIGHT ASSEMBLY BOX WHIP - 120/277V - 4 TUBE T8 - LED TUBES	LIGHT	1
MT007-TV3-0056	MOTOR TEFC 3/4HP T-V 3PH 56FR	MOTOR	1
Control Panel/Electrical			
Part Number	Description	Component Type	Qty.
CP-BNP-2010072	BASIC NON PRESSURIZED 1M 208/3/4 3/4HP 12LT(48TUBE MAX)	ELECT	1

# Startup and final commissioning

The following pages contain startup and/or final commissioning documents for your equipment. Please complete the form and return it to GFS.



## Dry Filter Paint Booth Line Startup Packet

### Customer Pre-Startup Check List

SO No.	Date:
Sold To:	End User:
City/State:	City/State:

If GFS factory startup service has been purchased an authorized GFS startup technician will be scheduled to your job site to perform the startup, commissioning, and training on the equipment. The items listed below are to be inspected and completed prior to the arrival of the technician. If not completed the technician may leave and you will be responsible for any additional expense incurred for a return trip to complete the work. GFS must be contacted to schedule the commissioning **two weeks** prior to the requested start date. This form must be completed and returned before a technician will be dispatched to the job site.

**The customer acknowledges the following specific items are completed:**

- |  |   |  |  |
|--|---|--|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No | All necessary permits for occupancy have been secured.                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No | Inspect the equipment that has been installed and make a final punch-list of faults to be corrected with the mechanical and electrical installation during the final commissioning of the equipment. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Power has been brought to the GFS control panel terminated at the disconnect and energized. | <input type="checkbox"/> Yes <input type="checkbox"/> No | Personnel to be trained for operation and maintenance have been scheduled.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Fire protection system has been installed, inspected, and is charged if applicable.         |  |  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Final clean up and remove all debris from the pits and the job site.                        |  |  |

**Paint Booth**

- |  |   |  |  |
|--|---|--|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Visual inspection that all filters are installed. (Green side towards interior of booth)                    | <input type="checkbox"/> Yes <input type="checkbox"/> No | Visual inspection that all door switches are mounted and wired (optional equipment). |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Visual inspection of all lights, motors, and switches to confirm that they are wired.                       | <input type="checkbox"/> Yes <input type="checkbox"/> No | Visual inspection to confirm that the booth has been properly caulked.               |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Ductwork completed and the penetrations sealed.   | <input type="checkbox"/> Yes <input type="checkbox"/> No | Air solenoid installed piped and wired (optional equipment).                         |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Test all product doors and man doors to confirm that they are functioning properly with all seals in place. |  |  |

**Please list any unresolved issues, comments or changes to the original design that you want to discuss:**

\_\_\_\_\_  
Customer's Signature & Date

\_\_\_\_\_  
Distributor's Signature & Date

Send completed checklist to [INDFLDSERV@globalfinishing.com](mailto:INDFLDSERV@globalfinishing.com)



## Startup Checklist for Non-Pressurized Booth

Job No. _____	Date: _____
Sold To: _____	End User: _____
City/State: _____	City/State: _____
Booth Model: _____	Voltage: _____
Panel Main _____	Panel Actual _____
Amp: _____	FLA: _____

### General walk through booth, listing incomplete or missing anything

- Filters: Installed and orientated correctly
- Lights: Verify light lenses are correctly orientated (magnets line up) and all cover screws are in place
- Doors: Handles are present and switches/Brixon latches are correctly positioned, seals are present
- Panels: Bolts and nuts tightened, caulked and sealed
- Manometer: Mounted and filled zeroed out
- Exhaust in place, ducts complete, any local disconnect(s) on

### Exhaust in place, ducts complete, any local disconnect(s) on

- Verify panel main is off
- Voltage correct per panel requirements found on panel plaque
- Remove control / transformer secondary fuses before energizing panel
- Energize panel and verify correct control voltage
- De-energize panel and replace control fuses

### Check Terminations at terminal strips (verify panel is not energized)

- Verify field wiring per print
- All terminals in control panel requiring field terminations have wire present

### Fan Rotations

- Check Rotation
- Turn panel on with panel main, and press **System Start** pushbutton to energize the exhaust fan
- Verify exhaust fan rotation is correct
- Lock out main control panel and correct rotation, if needed
- Remove lock and reenergize main control panel as needed

### Final Booth Operational Check

- Start booth from control panel
- Enter booth and observe for proper operation
- Complete Startup Testing Report
- Perform customer operation and maintenance training
- Get customer sign-off, noting any incomplete or missing items
- Return Startup Testing Report and Customer Sign-Off sheet to: [indfldserv@globalfinishing.com](mailto:indfldserv@globalfinishing.com)

Notes:

Customer's Signature	Date	GFS Technician	Date
Customer's Printed Name			



## Booth Startup & Testing Report

Date: \_\_\_\_\_  
Serial Number: \_\_\_\_\_  
Model: \_\_\_\_\_  
Distributor: \_\_\_\_\_  
End User: \_\_\_\_\_  
City/State: \_\_\_\_\_  
Control Panel Model: \_\_\_\_\_  
Technician: \_\_\_\_\_

Voltage: \_\_\_\_\_ volts  
Main Breaker Size: \_\_\_\_\_ amps  
Full Load Amps: \_\_\_\_\_ amps  
Measured Amps: \_\_\_\_\_ amps





### Crossdraft Performance Report

<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; justify-content: space-between; align-items: center;"> <span>ft.</span> </div> <p style="text-align: center;">Working Width</p>	X	<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; justify-content: space-between; align-items: center;"> <span>ft.</span> </div> <p style="text-align: center;">Working Height</p>	=	<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; justify-content: space-between; align-items: center;"> <span>ft.<sup>2</sup></span> </div> <p style="text-align: center;">Cross Sectional Area</p>	
				<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; justify-content: space-between; align-items: center;"> <span>CFM</span> </div> <p style="text-align: center;">Booth CFM</p>	
				<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; justify-content: space-between; align-items: center;"> <span>ft./min.</span> </div> <p style="text-align: center;">Design Airflow</p>	
Cross Sectional Area / Booth CFM =					

#### Cross Sectional Airflow Readings Taken Perpendicular to Airflow


ft./min.

Average Airflow

Booth Sound Level: 

db Inside Booth

	Installed	Operational	
Light Fixtures:	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; justify-content: space-between; align-items: center;"><span>fc</span></div>
Light Lens Switches:	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	

Misc. / Optional Equipment:

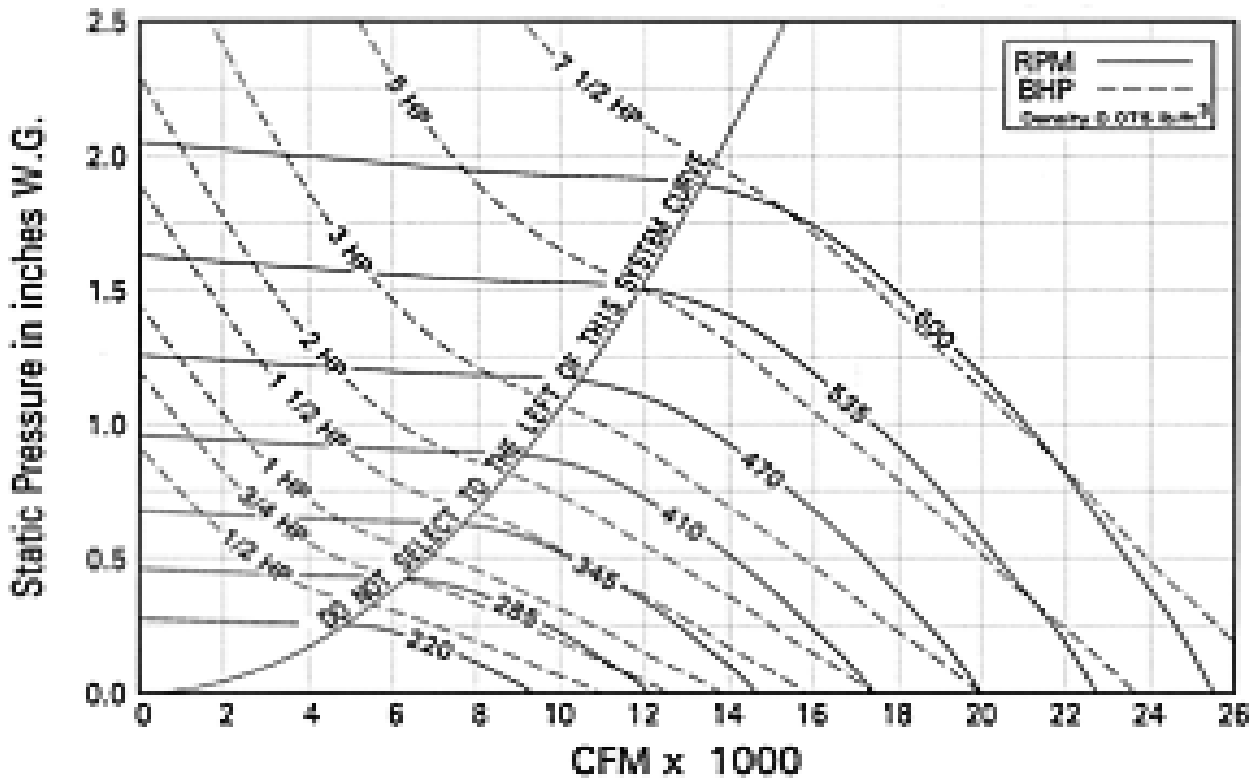
Door Limit Switches	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Air Solenoid Value	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Air Proving Switches	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Consta-Flow/Economy Mode	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>

Notes:



# Fan Commissioning Report

Model Number:		
Description:		
Electrical Schematic Nomenclature:		
Motor Horsepower:		HP
Full Load Amps		amps
Measured Current:		amps
Sheave Setting:		Open
Frequency / Speed at Balance:		Hz
Design CFM:		CFM
Design Static Pressure		inch w.c.
Filter Manometer Reading:		inch w.c.





## Direct Fired Air Make-Up Unit Commissioning Report

Manufacturer:			
Model Number:			
Electrical Schematic:			
Motor Horsepower:	<input type="text"/>	HP	
Full Load Amps	<input type="text"/>	amps	Measured Current: <input type="text"/> amps
Measured Current:	<input type="text"/>	amps	
Sheave Setting:	<input type="text"/>	Open	
Frequency / Speed at Balance:	<input type="text"/>	Hz	
Design CFM:	<input type="text"/>	CFM	
Design Static Pressure	<input type="text"/>	inch w.c.	
Static Gas Pressure:	<input type="text"/>	PSI	High Fire Gas Pressure: <input type="text"/> PSI
High Fire Gas Manifold Pressure:	<input type="text"/>	In. H <sup>2</sup> O	Bake Cycle Temp. Rise Time: <input type="text"/> min.
Burner Profile Pressure:	<input type="text"/>	In. H <sup>2</sup> O	Temperature Overshoot <input type="text"/> °F
Design Temperature Rise:	<input type="text"/>	°F	Measured Temp. Rise: <input type="text"/> °F
High Fire Flame Voltage:	<input type="text"/>	VDC	Low Fire Flame Voltage: <input type="text"/> VDC
High Temperature Limit:	<input type="text"/>	°F	<input type="text"/> °F
High Gas Pressure Limit:	<input type="text"/>	In. H <sup>2</sup> O	Low Gas Pressure Limit: <input type="text"/> In. H <sup>2</sup> O
Temperature Control PID:	<input type="text"/> P	<input type="text"/> I	<input type="text"/> D



# Booth Installation Checklist

Technician/Installer:

Date:

Wired  
Installed

### All Paint Booths

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

1. Manometer mounted and tubing installed
2. Filters installed. (green side toward interior of booth)
3. Fan belt guard(s) installed.
4. Fan(s) wired for correct voltage.
5. Light fixtures wired and lamps installed.
6. Ductwork completed.
7. Doors installed so that they are plumb and function properly with all air seals in place.
8. Door switches installed and wired. (optional equipment)
9. Check to confirm that the booth has been properly caulked. (Silicon caulk is not permitted to be used)
10. Air solenoid installed and wired. (optional equipment)
11. Check to confirm that the booth is properly anchored if required and that all bolts connections have been properly tightened

Wired  
Installed

### Paint booths with air make-up units

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

1. Intake / discharge damper motor wired. Damper end switch as well as motor.
2. Gas piping with proper gas pressure and volume connected to unit. (check unit nameplate)
3. Control wires ran and correctly terminated between main control panel and AMU.
4. Temperature control wires ran separately with a shielded wire from main control panel to AMU.
5. Freeze-stat sensing bulb installed. If equipped with freeze-stat option.
6. Thermocouple installed in booth intake duct (AMU discharge), and wired to main control panel. If equipped with 7EC temperature controller.



Installed

**Paint booths with electric roll-up doors.**

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

1. Operator pushbutton station(s) mounted and wired.
2. Upper and lower door travel limits set.
3. Safety / reversing edge installed and wired.

Installed

**Paint booths with auto-balance.**

<input type="checkbox"/>
<input type="checkbox"/>

1. Pressure sensor mounted in booth and tubing ran to main control panel.
2. Doors installed with seals and latches mounted.

Completed

**All Installations**

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

1. Clean up area around the equipment installation and remove packing or installation debris from job site.
2. Touch-up damaged to painted finishes, wipe and clean equipment of any oil, grease, caulk, stickers, solvent, etc.
3. Call the equipment supplier (forklift, scissor lift) to let him know to come and pick-up equipment. Record the date of the call and the person you talked to.
4. Inspect the equipment that has been installed with the owner's representative and correct any faults (mechanical and electrical) so there is no need to return for repairs.
5. Sign and date the checklist sheet with any comments or problems with the installation so that our quality departments can make corrections for future installations. Your feedback from the field is very important to us and your comments are very much appreciated.

## Customer Sign-Off Form

Sales No. _____	Date: _____
Customer: _____	Distributor: _____
Address: _____	GFS Startup Technician: <div style="border: 1px solid black; width: 150px; height: 40px; display: inline-block;"></div>
City/State: _____	

The Customer acknowledges the following:

- All of the equipment and services purchased from Global Finishing Solutions have been received.
- The equipment is working per the specifications provided when the project originated.
- Problems with the equipment have been resolved and the equipment is capable of meeting original specified production capacities.

Please list any unresolved issues, comments, or changes to the original design that you may want to make at a future time:

\_\_\_\_\_  
Customer Signature

\_\_\_\_\_  
GFS Technician

\_\_\_\_\_  
Customer's Printed Name

\_\_\_\_\_  
Distributor Signature

Send completed form to [INDFLDSERV@globalfinishing.com](mailto:INDFLDSERV@globalfinishing.com)



## Training Roster

Date:

- User Training
- Maintenance Training
- Controls Training

GFS Sales Order:

Training Location (Address):

GFS Trainer (Please Print):


**Name (Please Print)**

**Signature**



Send completed form to [INDFLDSERV@globalfinishing.com](mailto:INDFLDSERV@globalfinishing.com)