

# Reverse Air Flow Spray Booth

## RAFT Series Benchmark Performance



Great Finishes  
Start Here!

# Reverse Air Flow

## OUR BOOTHS

All of Marathon's standard series booths are manufactured out of 18 gauge galvanized steel on precision CNC equipment. Our booths are Nut & Bolt type construction, precision punched 6" on center and companion flanged for easy assembly in the shop. Build according to NFPA Codes and OSHA national requirements. All of our light fixtures are UL listed "Inspection Grade", and are properly distributed throughout the work environment. Our booths are designed to offer a superior experience, while being extremely easy to operate. Marathon Finishing Systems, Inc. can design, build, and install a booth to your exact specifications. All of our booths are equipped with "Top Brand Name" (GE, Dayton, Honeywell, Carrier Goyen, LDPI, just to name a few) components, made in the USA, that you can rely on.

## Intake Filters

Quality Intake Filter Media is one of the key components in maintaining a "clean room" type of environment that is dust free. Marathon supplies high quality filter media with dust lock technology for a dust free finish every time!



## Construction

All of our booths are made using 18 gauge galvanized steel (Powder Coating option shown), precision pre punched on center every 6", with 2" companion flanges. Assembly is solid nut & bolt, not flimsy zip screws that some of our competitors use.



## Lighting

Marathon takes great care when calculating all aspects of illumination (location, distribution, orientation, etc.) for all of our spray booths, so that you get a "Shadow Free" and brightly lit work area. We supply lighting fixtures from LDPI, which come with a full one year warranty.



## Fans/Motors

Our fans and motors are U.S. manufactured, AMCA certified, spark resistant aluminum blades, hi efficiency motors, with belt-driven tubeaxial fans, the streamlined belt tunnel ventilates the drive compartment with air from outside the fan.



Marathon Finishing Systems, Inc. uses high quality components, made by these top U.S. manufacturers and suppliers:



## Exhaust Filters

Our spray booths use only "Industry Standard" sized filters. Easily replaceable from any filter supplier, online, or from Marathon directly. The Standard Series booths come with 20" x 20" x 2" hi-efficiency fiberglass paint arrestor pads.



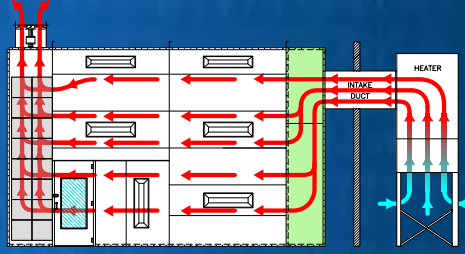
## Doors

Our doors are all built with two skins (Dual Skin), not one. That means the main product and man access doors are smooth on the inside and the outside. Like a steel door (fire door) should be.



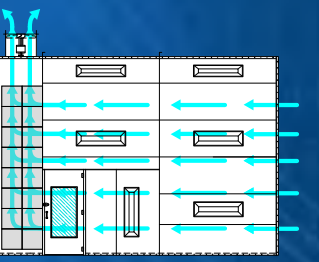
## AIR FLOW

**Intake, heated booth:** Outside air is filtered twice, once as it enters through the air make up unit located at the rear of the booth, and again as it passes through the intake plenum (shown in green) filters. In this example, this booth is equipped with a Spray & Cure heating unit.



RAFT-Heated Air Make Up Unit

**Intake, non heated booth:** The air is filtered once, through the rear intake filter wall before entering the work area.



RAFT-Non Heated


**Exhaust:** The filtered air travels horizontally across the length of the booth (crossflow). Finally, the air is filtered of overspray and particulates by the exhaust filters before exiting the booth. Marathon uses standard size intake and exhaust filter media, readily available from most paint and refinishing suppliers.





Call Us Today at 800 919-9035 For a Quote & Info




Shown above is a vertical Air Make Up unit (heater) that will add "Spray & Cure" capability. Our Air Make Up units can be either horizontal or vertical, and can be placed indoors or outdoors, roof mounted or on the ground.

<b>RAFT-161644-40L</b>	
<b>Dimensions:</b>	16'w x 16'h x 40'L (ID)
<b>Fan/Motor</b>	(1x) 42" / 7.5 HP
<b>Cubic Feet per Minute</b>	25,900 @ .5" Stactic Pressure
<b>Lights</b>	40 T-8 Light Fixtures, 4 Tube

<b>RAFT-181664-44L</b>	
<b>Dimensions:</b>	18'w x 16'h x 60'L (ID)
<b>Fan/Motor</b>	(1x) 42" / 10 HP
<b>Cubic Feet per Minute</b>	30,185 @ .5" Stactic Pressure
<b>Lights</b>	44 T-8 Light Fixtures, 4 Tube

<b>RAFT-201854-42L</b>	
<b>Dimensions:</b>	20'w x 18'h x 50'L (ID)
<b>Fan/Motor</b>	(2x) 42" / 5 HP
<b>Cubic Feet per Minute</b>	42,870 @ .5" Stactic Pressure
<b>Lights</b>	42 T-8 Light Fixtures, 4 Tube

<b>RAFT-201684-63L</b>	
<b>Dimensions:</b>	20'w x 16'h x 80'L (ID)
<b>Fan/Motor</b>	(2x) 34" / 5 HP
<b>Cubic Feet per Minute</b>	34,300 @ .5" Stactic Pressure
<b>Lights</b>	63 T-8 Light Fixtures, 4 Tube

**Why choose Marathon over our competition? Here are just a few reasons why:**

1. Our spray booths comply with all applicable national construction and safety codes.
2. Our booths are all nut and bolt type assembly and construction. No zip (sheet metal) screws!
3. All of our UL listed lighting fixtures are strategically oriented horizontally in every booth design (where possible), providing a brighter booth with more consistent lighting. This lighting design (most importantly) eliminates shadows.
4. We use only "Inspection Grade" LDPI, Inc. brand light fixtures, made in the U.S. for spray booth applications.
5. Our Spray and Cure heat systems and controls are manufactured in the U.S. and are energy efficient and listed for national code (NFPA 33) compliance.
6. Our prices, combined with our U.S. made "Top Brand" components that you can rely on, with unmatched service.

Marathon Finishing Systems, Inc. can custom design and manufacture a booth to your exact specifications. Even though most of the equipment that we manufacture are custom designs, we do it without the "Custom" price. Listed below are some of the more common sizes requested by our customers:

Model Number	Outside Dimensions	Inside Dimensions	Lights/Tubes	Fan Size	Motor	CFM @ .5" SP	Main Door Size
RAFT-161630-18L	17'w x 16' 6"h x 34'L	16'w x 16'h x 30'L	18 / 72	42"	7.5 H.P.	26,600	12'w x 14'h
RAFT-161640-24L	17'w x 16' 6"h x 44'L	16'w x 16'h x 40'L	24 / 96	42"	7.5 H.P.	26,600	12'w x 14'h
RAFT-161650-30L	17'w x 16' 6"h x 54'L	16'w x 16'h x 50'L	30 / 120	42"	7.5 H.P.	26,600	12'w x 14'h
RAFT-161660-36L	17'w x 16' 6"h x 64'L	16'w x 16'h x 60'L	36 / 144	42"	7.5 H.P.	26,600	12'w x 14'h

**Marathon Finishing Systems, Inc.**  
**Great Finishes Start Here!**