

# LARGE EQUIPMENT SPRAY BOOTHS



RTT's large equipment spray booths are used in a wide variety of markets including aviation, rail, mining, truck, wind energy and other large-scale industrial finishing operations. RTT's Large Equipment Spray Booths offer a safe and clean environment and are designed to meet or exceed all applicable OSHA and NFPA regulations.

RTT's spray booths are available in a variety of air flow styles to fit any application, including crossdraft, modified downdraft, side downdraft and downdraft designs. The booths are also offered in solid back, drive through, and reverse flow designs as well as pressurized and non-pressurized models. Booths can be equipped with dedicated air make-up units (AMU's) and configured with prep and cure cycle, as required. RTT booths can be provided with temperature and humidity control as well as air recirculation modes in spray and or cure mode for energy efficiency.



RTT booths are constructed with laser cut and precision folded prime quality 18-gauge galvanized steel and are available in a range of pre-engineered standard sizes that are readily available. Custom size solutions can also be developed to meet site and application specific requirements. Depending on the application, RTT offers three types of booth construction: Standard, Heavy and Xtreme duty.


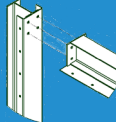
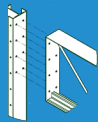
- "Standard Duty" construction is engineered with 10-gauge support structure.
- "Heavy Duty" construction is engineered with vertical and horizontal W6x9 I-beams integrated into the booth structure and can support booth-mounted air make-up units.
- "Xtreme Duty" construction utilizes vertical I-beams and horizontal trusses that are engineered to support span and load requirements. Xtreme Duty designs can be engineered to accommodate booth mounted air make-up units, wall mounted operator lifts, conveyor rail systems or crane slot openings.



RTT booths are easy to install and simple to maintain. The quality and workmanship of RTT spray booths allow us to offer a 5-year warranty when using high performance W-Series RP Arrestor exhaust filters manufactured by RTT. Being the only manufacturer of both spray booths and exhaust filtration products, we guarantee overall operational quality.

**LEADER IN ENGINEERED FINISHING SOLUTIONS**

## Spray Booth Construction

	Standard Duty 	Heavy Duty 	Xtreme Duty 
Support Steel	10 gauge galvanized steel, utilizes 5/16" bolt	W6 x 9 structural system, utilizes 1/2" bolt	I-Beam construction with trusses, utilizes 1/2" bolt
Panel Construction	Laser cut, precision folded, nut and bolt assembly	Laser cut, precision folded, nut and bolt assembly	Laser cut, precision folded, nut and bolt assembly
Fasteners	5/16" bolt with locking nuts for fastening panels every 6"	5/16" bolt with locking nuts for fastening panels every 6"	5/16" bolt with locking nuts for fastening panels every 6"
Interior Working Dimension	Max 20'W x 20'H	Max 20'W x 20'H	No Limit
Booth Mounted AMU's	No, requires separate structure	Yes	Yes
Support for Conveyor or Crane Slot	No	No	Optional
Crane Slots	No	No	Optional
Maximum Length	No Maximum Length	No Maximum Length	64' +
Increments in Length	2'	2'	Custom
Support for Man Lifts	No	Yes	Yes
Complies with OSHA and NFPA Regs	Yes	Yes	Yes

## Spray Booth Features

RTT booths are easy to install and simple to maintain. The quality and workmanship of RTT spray booths allow us to offer a 5-year warranty\* when using high performance W-Series RP Arrestor exhaust filters manufactured by RTT.

- RTT booths are constructed from heavy duty 18-gauge, prime quality galvanized steel and engineered with corresponding support structure.
- All panels and support members are laser cut and precision formed for consistent fit allowing for easy nut and bolt assembly.
- Doors are field hung on slotted hinges to facilitate adjustment on two axis' to compensate for field conditions. Our standard 36" wide personnel door is constructed with a square tube frame and covered with 18-gauge galvanized steel and includes an observation window.
- RTT booths ship with industry leading E-Light LED lighting which provides lower energy usage, exceptionally longer life, truer color rendering, reduced maintenance costs and includes a 5-year warranty.
- LED lighting is constructed of 22-gauge steel which is powder coated white, and available in 4000 and 8000 lumen models. E-Lights are ETL listed for US and Canada with Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G ratings.
- High efficiency W-Series RP Paint Arrestor blanket media ships with every booth for extended life, increased depth loading and holding capacity. The blanket filters are secured in place with RTT FilterLoc technology which provides a tighter seal to the booth eliminating overspray bypass while providing quick and easy filter change outs.
- All RTT booths utilize efficient and quality brand-name tubeaxial fans and motors.
- Air solenoid valve Interlocked to the exhaust fan and air supply for the spray application equipment is also included.
- RTT booths meet and/or exceed quality performance standards and all applicable OSHA and NFPA regulations

## E-Light TRUE LED LIGHTING

RTT booths ship with industry leading E-Light LED lighting which provides lower energy usage, exceptionally longer life, truer color rendering, reduced maintenance costs and includes a 5-year warranty.



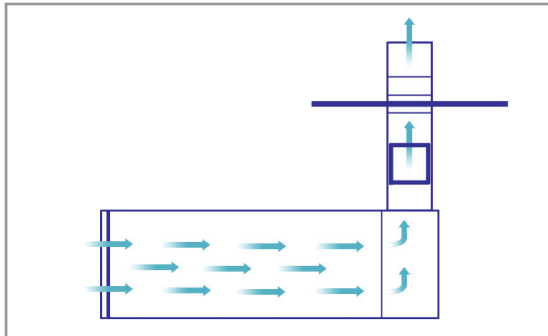
# SPRAY BOOTH AIR FLOW DESIGN



## Large Equipment Booths

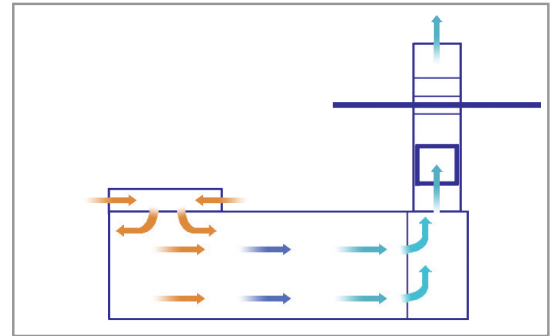
RTT's large equipment spray booths offer a safe and clean environment for any type of finishing operation. All RTT spray booths are designed to produce a high-quality finish in an extremely efficient manner. RTT offers a full line of booths with a variety of air flow styles to fit all application needs.

### CROSSDRAFT



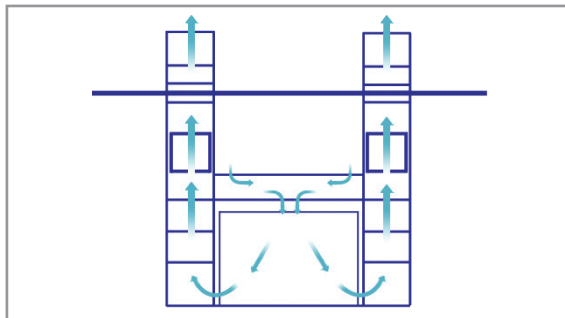
Crossdraft booths intake air through filters in the product doors. The clean, filtered air is drawn through the booth and exhausted through a filter system at the opposite end.

### MODIFIED DOWNDRAFT



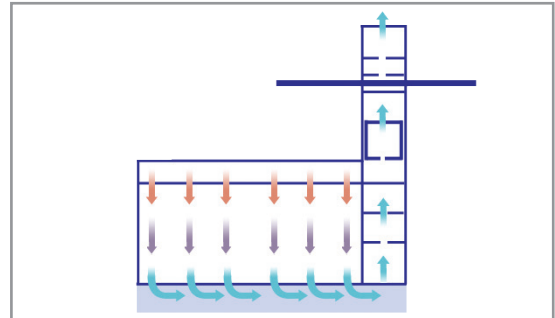
Modified Downdraft booths intake fresh air from the cleaner upper levels of the shop through a filter bank located in the booth ceiling, near the product doors. The filtered air is drawn down through the booth to an exhaust filter system at the opposite end.

### SIDE DOWNDRAFT



Side Downdraft booths intake air from the cleaner upper levels of the shop through a filtered booth ceiling. The filtered air is drawn down and away from the product through exhaust filters at the floor level, along both sides.

### DOWNDRAFT



Downdraft booths take in fresh air from the cleaner upper levels of the shop through a filtered booth ceiling. The filtered air is drawn down and away from the product into the filtered exhaust pit located in the floor.

## INDUSTRY LEADING 5-YEAR WARRANTY

The quality and workmanship of RTT spray booths allows us to be the only Spray Booth Manufacturer to offer a Five (5) Year Warranty\* provided the customer utilizes our RTT high performance RP "W-Series" exhaust filters. These filters have been designed, tested and approved to provide superior paint particle separation while restricting the least amount of air flow in accordance with ASHRAE 52.1.



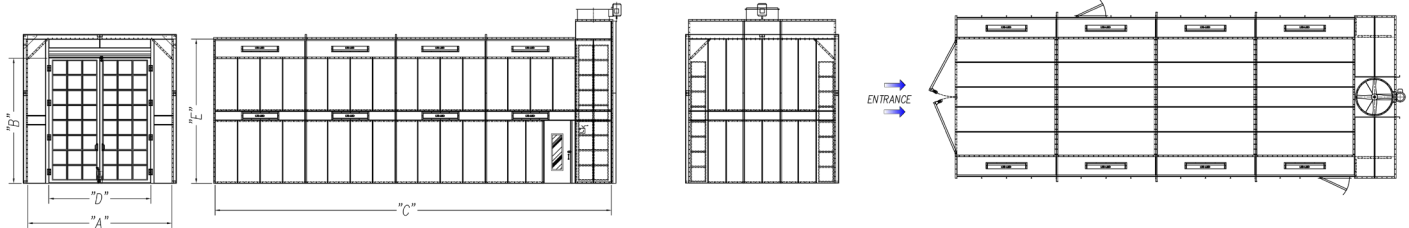
# SPRAY BOOTH SELECTION



## Booth Sizing

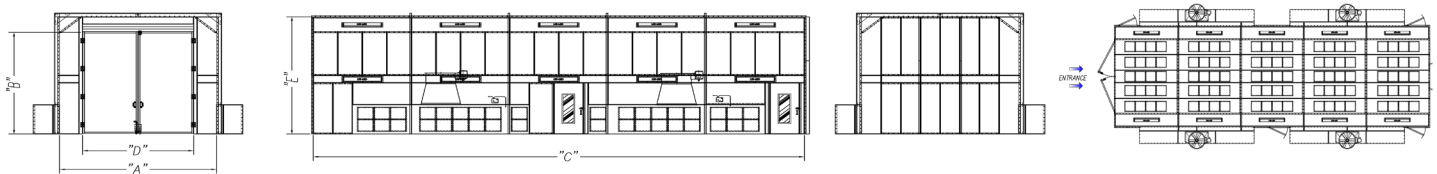
RTT can design and build booths in a variety of sizes and configurations. Although our team can engineer custom sizes to fit your needs, below are standard sizes that are pre-engineered and available for quick shipment.

## CROSSDRAFT



Standard Duty Model Number	Heavy Duty Model Number	Interior Dimensions			Option	Configuration	Access Doors	Nominal Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters
		Width	Height	Length				Width	Height	Qty	Type			Dia.	HP	
SDC-16-16-26-N-SB	HDC-16-16-26-N-SB	16'-0"	16'-0"	26'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Filtered	15	25,600	42	7.5HP	48
SDC-16-16-28-N-SB	HDC-16-16-28-N-SB	16'-0"	16'-0"	28'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Filtered	15	25,600	42	7.5HP	48
SDC-16-16-30-N-SB	HDC-16-16-30-N-SB	16'-0"	16'-0"	30'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Filtered	18	25,600	42	7.5HP	48
SDC-16-16-32-N-SB	HDC-16-16-32-N-SB	16'-0"	16'-0"	32'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Filtered	18	25,600	42	7.5HP	48
SDC-16-16-34-N-SB	HDC-16-16-34-N-SB	16'-0"	16'-0"	34'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Filtered	20	25,600	42	7.5HP	48
SDC-16-16-44-N-SB	HDC-16-16-44-N-SB	16'-0"	16'-0"	44'-0"	Non-Pressurized (N)	Solid Back (SB)	2	11'-4"	13'-10"	1	Filtered	28	25,600	42	7.5HP	48
SDC-16-16-54-N-SB	HDC-16-16-54-N-SB	16'-0"	16'-0"	54'-0"	Non-Pressurized (N)	Solid Back (SB)	3	11'-4"	13'-10"	1	Filtered	34	25,600	42	7.5HP	48
SDC-16-16-64-N-SB	HDC-16-16-64-N-SB	16'-0"	16'-0"	64'-0"	Non-Pressurized (N)	Solid Back (SB)	4	11'-4"	13'-10"	1	Filtered	42	25,600	42	7.5HP	48
Sizing Option Ranges		14-20*	12-20*	^												
Reference Key		A	B	C				D	E							

## SIDE DOWNDRAFT



Standard Duty Model Number	Heavy Duty Model Number	Interior Dimensions			Option	Configuration	Access Doors	Nominal Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters
		Width	Height	Length				Width	Height	Qty	Type			Dia.	HP	
SDS-16-16-26-N-SB	HDS-16-16-26-N-SB	16'-0"	16'-0"	26'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	15	20,800	(2)30	(2)3HP	38
SDS-16-16-28-N-SB	HDS-16-16-28-N-SB	16'-0"	16'-0"	28'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	15	22,400	(2)30	(2)5HP	40
SDS-16-16-30-N-SB	HDS-16-16-30-N-SB	16'-0"	16'-0"	30'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	18	24,000	(2)30	(2)5HP	44
SDS-16-16-40-N-SB	HDS-16-16-40-N-SB	16'-0"	16'-0"	40'-0"	Non-Pressurized (N)	Solid Back (SB)	2	11'-4"	13'-10"	1	Solid	24	32,000	(4)24	(4)3HP	58
SDS-16-16-50-N-SB	HDS-16-16-50-N-SB	16'-0"	16'-0"	50'-0"	Non-Pressurized (N)	Solid Back (SB)	3	11'-4"	13'-10"	1	Solid	30	40,000	(4)30	(4)3HP	72
SDS-16-16-60-N-SB	HDS-16-16-60-N-SB	16'-0"	16'-0"	60'-0"	Non-Pressurized (N)	Solid Back (SB)	4	11'-4"	13'-10"	1	Solid	36	48,000	(4)30	(4)5HP	88
Sizing Option Ranges		14-20*	12-20*	^												
Reference Key		A	B	C				D	E							

\*Standard sizing of width and height are in increments of 2 ft.

Alternative Configuration: Drive Through (DT) - Alternative Options: Pressurized (P) - Pre-Filtered (PF)

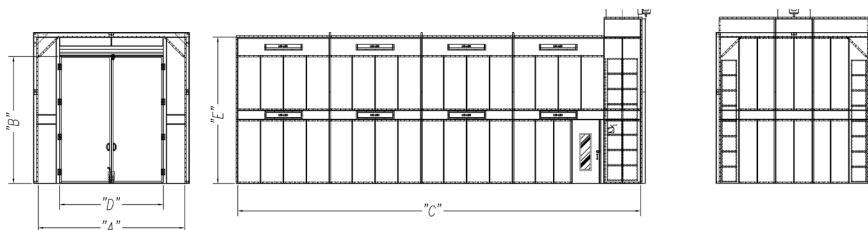
# SPRAY BOOTH SELECTION



## Booth Sizing

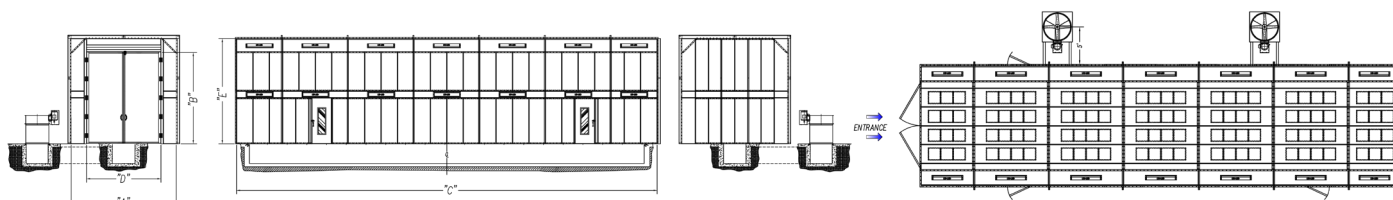
RTT can design and build booths in a variety of sizes and configurations. Although our team can engineer custom sizes to fit your needs, below are standard sizes that are pre-engineered and available for quick shipment.

## MODIFIED DOWNDRAFT



Standard Duty Model Number	Heavy Duty Model Number	Interior Dimensions			Option	Configuration	Access Doors	Nominal Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters
		Width	Height	Length				Width	Height	Qty	Type			Dia.	HP	
SDM-16-16-26-N-SB	HDM-16-16-26-N-SB	16'-0"	16'-0"	26'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	15	25,600	42	7.5HP	42
SDM-16-16-28-N-SB	HDM-16-16-28-N-SB	16'-0"	16'-0"	28'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	15	25,600	42	7.5HP	42
SDM-16-16-30-N-SB	HDM-16-16-30-N-SB	16'-0"	16'-0"	30'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	18	25,600	42	7.5HP	42
SDM-16-16-32-N-SB	HDM-16-16-32-N-SB	16'-0"	16'-0"	32'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	18	25,600	42	7.5HP	42
SDM-16-16-34-N-SB	HDM-16-16-34-N-SB	16'-0"	16'-0"	34'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	20	25,600	42	7.5HP	42
SDM-16-16-44-N-SB	HDM-16-16-44-N-SB	16'-0"	16'-0"	44'-0"	Non-Pressurized (N)	Solid Back (SB)	2	11'-4"	13'-10"	1	Solid	28	25,600	42	7.5HP	42
SDM-16-16-54-N-SB	HDM-16-16-54-N-SB	16'-0"	16'-0"	54'-0"	Non-Pressurized (N)	Solid Back (SB)	3	11'-4"	13'-10"	1	Solid	34	25,600	42	7.5HP	42
SDM-16-16-64-N-SB	HDM-16-16-64-N-SB	16'-0"	16'-0"	64'-0"	Non-Pressurized (N)	Solid Back (SB)	4	11'-4"	13'-10"	1	Solid	42	25,600	42	7.5HP	42
Sizing Option Ranges		14-20*	12-20*	^												
Reference Key		A	B	C				D	E							

## DOWNDRAFT



Standard Duty Model Number	Heavy Duty Model Number	Interior Dimensions			Option	Configuration	Access Doors	Nominal Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters
		Width	Height	Length				Width	Height	Qty	Type			Dia.	HP	
SDD-16-16-26-N-SB	HDD-16-16-26-N-SB	16'-0"	16'-0"	26'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	15	20,800	42	7.5HP	38
SDD-16-16-28-N-SB	HDD-16-16-28-N-SB	16'-0"	16'-0"	28'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	15	22,400	42	10HP	40
SDD-16-16-30-N-SB	HDD-16-16-30-N-SB	16'-0"	16'-0"	30'-0"	Non-Pressurized (N)	Solid Back (SB)	1	11'-4"	13'-10"	1	Solid	18	24,000	42	10HP	44
SDD-16-16-40-N-SB	HDD-16-16-40-N-SB	16'-0"	16'-0"	40'-0"	Non-Pressurized (N)	Solid Back (SB)	2	11'-4"	13'-10"	1	Solid	24	32,000	(2)42	(2)7.5HP	58
SDD-16-16-50-N-SB	HDD-16-16-50-N-SB	16'-0"	16'-0"	50'-0"	Non-Pressurized (N)	Solid Back (SB)	3	11'-4"	13'-10"	1	Solid	30	40,000	(2)42	(2)7.5HP	72
SDD-16-16-60-N-SB	HDD-16-16-60-N-SB	16'-0"	16'-0"	60'-0"	Non-Pressurized (N)	Solid Back (SB)	4	11'-4"	13'-10"	1	Solid	36	48,000	(2)42	(2)10HP	88
Sizing Option Ranges		14-20*	12-20*	^												
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\*Standard sizing of width and height are in increments of 2 ft.

Alternative Configuration: Drive Through (DT) - Alternative Options: Pressurized (P) Pre-Filtered (PF)



# SPRAY BOOTH OPTIONS & ACCESSORIES



## Durable Powder Coated White Option Available

Powder coating is a high quality finish that provides a more durable and attractive finish. Your paint booth will be more resistant to scratches, chips, abrasions, corrosion, fading and other wear issues.



## Air Make-Up Unit (AMU)

An AMU replaces 100% of the exhausted air from the booth enclosure with fresh, filtered, tempered outside air. **Available for both indoor and outdoor applications**, AMU's can be set up for vertical or horizontal configurations. Multiple discharge locations are available.



## Paint Mix Rooms

RTT's Paint Mix Rooms provide a controlled area for safely mixing paint. Easy to maintain and operate, the product was designed to provide fast and simple installation.



## Touch Screen & PLC Based Controls Available

RTT offers touch screen controls for our batch ovens, paint booths and powder collectors, allowing for simple operation of your equipment. There are (3) size options to choose from as well as expandable input and outputs, on screen pressure monitoring, precise system information, built-in hour meters, and ethernet communications



## Exhaust Ductwork

High quality 18 gauge galvanized steel ductwork and other needed accessories to properly exhaust your finishing equipment. The components come in a wide variety of configurations depending on your paint booth structure and features. Our ductwork construction provides superior protection against destructive elements including corrosion and rust.



## FilterLoc Zip-To-Lock Filter Management Technology

FilterLoc is the quick and easy way to change out filters by eliminating the need for clips or pins. FilterLoc is designed to be mounted directly to the spray booth eliminating overspray bypass into the exhaust chamber. Once the track is mounted, it only takes seconds to secure the filter in place eliminating the need to overlap filters, saving money.



## RP Arrestor W-Series Exhaust Filtration

The RP W-Series high efficiency line of filtration products is made of slit and expanded paper with a white outer layer. They are engineered for depth loading, extended life and holding capacity. The polyester back layer increases efficiency when used in applications with finely atomized particles.

## ADDITIONAL OPTIONS

- Pre-filtered plenum for additional intake air filtration
- Roll-up, bi-fold or tri-fold doors
- Solid back, drive through, and reversed flow designs available
- Pressurized or non-pressurized

