

CARTRIDGE POWDER BOOTH



RTT's Cartridge Batch Powder Booths feature an open front design and are well suited for small to mid-size powder coating operations. To ensure the cartridge filters remain clean, this booth is built with an automated purge control feature to maintain the airflow at design levels. During operation, powder accumulates on the cartridge filters. As the cartridge filters load, airflow decreases and negative pressure rises within the air handler. A timer activates a system of air purging valves that clear the cartridge filters of accumulated powder to ensure maximum filter life. The powder from the filters falls into collection drawers located directly below the cartridge filters. An optional fluidized bed can be provided for powder collection.



Features

- 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.
- Collector Module recirculates clean, filtered air into the booth and includes high quality primary filter and final filter modules. Factory-assembled, powder coated white mild steel construction with removable powder drawer.
- 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.
- Control Equipment Includes NEMA 12 UL and ETL listed control panel mounted to the side of the collector module, factory wired and tested. Automatic or manual cartridge filter pulse down mode; Door mounted magnehelic gauge for cartridge filter monitoring; VFD to control fan speed; Pressure switches to monitor final filter pressure and warn/shutdown if pressure exceeds set point.
- 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.



Cartridge Collector



Control panel and VFD included



Industry-leading LED lighting

Options

- Fluidized bed for powder collection
- Durable powder coated white
- Conveyor and crane slots/openings

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Selecting a Booth Size

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.

CARTRIDGE COLLECTORS

Model Number	Interior Dimensions			Exterior Dimensions			Total CFM	Modules	Cartridge Filters	Final Filters	Fan Spec		Lights S&G
	Width	Height	Length	Width	Height	Length					Qty	HP	
RPC-4000-S	N/A	N/A	N/A	4'-8" (w/CP 5'-10")	8'-8" (w/MFD 9'-4")	4'-4" (w/Motor 6'-1")	4000 @3" SP	1	5	4	1	5HP	N/A
RPC-5000-S	N/A	N/A	N/A	4'-8" (w/CP 5'-10")	8'-8" (w/MFD 9'-4")	4'-4" (w/Motor 6'-1")	5000 @3" SP	1	5	4	1	7.5HP	N/A
RPC-6000-S	N/A	N/A	N/A	6'-0" (w/CP 7'-2")	8'-8" (w/MFD 9'-4")	5'-3" (w/Motor 6'-2")	6000 @3" SP	1	7	6	1	7.5HP	N/A
RPC-7000-S	N/A	N/A	N/A	6'-0" (w/CP 7'-2")	8'-8" (w/MFD 9'-4")	5'-3" (w/Motor 6'-2")	7000 @3" SP	1	7	6	1	10HP	N/A
RPC-8000-S	N/A	N/A	N/A	6'-0" (w/CP 7'-2")	8'-8" (w/MFD 9'-4")	5'-3" (w/Motor 6'-2")	8000 @3" SP	1	7	6	1	10HP	N/A

POWDER BOOTHS

Model Number	Interior Dimensions			Exterior Dimensions			Total CFM	Modules	Cartridge Filters	Final Filters	Fan Spec		Lights S&G
	Width	Height	Length	Width	Height	Length					Qty	HP	
RPB-08-07-7.5-00-S	8'-0"	7'-0"	7'-6"	8'-4"	9'-4"	13'-8"	5000 @3" SP	1	5	4	1	7.5HP	1
RPB-08-08-7.5-00-S	8'-0"	8'-0"	7'-6"	8'-4"	9'-4"	13'-8"	6000 @3" SP	1	7	6	1	7.5HP	1
RPB-08-10-7.5-00-S	8'-0"	10'-0"	7'-6"	8'-4"	10'-2"	13'-8"	7000 @3" SP	1	7	6	1	10HP	1
RPB-10-07-7.5-00-S	10'-0"	7'-0"	7'-6"	10'-4"	9'-4"	13'-8"	6000 @3" SP	1	7	6	1	7.5HP	2
RPB-10-08-7.5-00-S	10'-0"	8'-0"	7'-6"	10'-4"	9'-4"	13'-8"	7000 @3" SP	1	7	6	1	10HP	2
RPB-10-10-7.5-00-S	10'-0"	10'-0"	7'-6"	10'-4"	10'-2"	13'-10"	9000 @3" SP	1	9	9	1	10HP	2
RPB-12-07-7.5-00-S	12'-0"	7'-0"	7'-6"	12'-4"	9'-4"	13'-8"	8000 @3" SP	1	7	6	1	10HP	2
RPB-12-08-7.5-00-S	12'-0"	8'-0"	7'-6"	12'-4"	9'-10"	13'-10"	9000 @3" SP	1	9	9	1	10HP	2
RPB-12-10-7.5-00-S	12'-0"	10'-0"	7'-6"	12'-4"	10'-2"	13'-10"	11000 @3" SP	1	9	9	1	1.5HP	2
Reference Key	A	B	C	D	E	F							

