

Cartridge Batch Powder Booth



- **Heavy Duty Bolted Construction**
- **Collector Module to Recirculate Clean, Filtered Air Through the Booth**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

With an open front design, Col-Met's Cartridge Batch Powder Booths are perfect for small to mid-size powder applications. To ensure cartridge filters remain clean, this booth is built with a purge control feature, which assures the safe operation of the coatings enclosure by maintaining the airflow at design levels. During operation, powder accumulates on the cartridge filters, and 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.



Powder Collector Style Booth

Booth Features

- >> **Heavy Duty Construction** Panels are constructed from 18-gauge, prime quality galvanized steel, flanged and precision punched on 6" centers for maximum rigidity. Panels are fastened with 5/16-inch bolts with self-locking nuts and are to be sealed with the provided caulk following 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.
- >> **Industry-Leading Lighting** Lighted booths get bright, full booth illumination from four-tube, 48" long, 32-watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Groups A, B, C, D and Class 2 Division 2, Groups F and G)
- >> **Control Equipment** Includes NEMA 12 Remote Electrical Panel, primary disconnect, automatic purge/pulse control, main air line disconnect, magnehelic pressure gauge.
- >> **Variable Frequency Controlled Fan (VFD)** Connected to the fan motor, this allows for the fan to turn at any speed so that optimum airflow within the booth can be achieved. The VFD can also save on operating costs due to the reduced amp load on the motor, and the ability to slowly ramp the motor up to speed.
- >> **Quality Fans and Motors** Spark-proof construction plug type fan
- >> **Air Solenoid** Valve Interlocked to the exhaust fan and air supply for the spray application equipment.
- >> **Meets Quality Performance Standards** Spray booths manufactured by Col-Met meet and/or exceed all applicable OSHA and NFPA regulations.



Cartridge Collector



Control panel and VFD included

Booth Options

- >> LED lighting
- >> Optional fluidized bed for powder collection
- >> Durable powder coated white option available
- >> Conveyor and crane slots/openings available

Selecting a Booth Size

Col-Met can design and build spray booths in a variety of sizes and configurations. Although our team can engineer a custom booth to fit your needs, below are standard sizes that are quickly available to you.

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	4	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	6	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"	6000 @3" SP	1 (6,000 CFM)	6	6	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 (6,000 CFM)	6	6	1	7.5HP	1
RPB-08-10-7.5-00-S	8'-0"	10'-0"	7'-6"	8'-4"	10'-2"	13'-8"	8000 @3" SP	1 (8,000 CFM)	7	6	1	10HP	1
RPB-10-07-7.5-00-S	10'-0"	7'-0"	7'-6"	10'-4"	9'-4"	13'-8"	7000 @3" SP	1 (7,000 CFM)	7	6	1	10HP	2
RPB-10-08-7.5A-00-S	10'-0"	8'-0"	7'-6"	10'-4"	9'-4"	13'-8"	8000 @3" SP	1 (8,000 CFM)	7	6	1	10HP	2
RPB-08-10-7.5B-00-S	10'-0"	8'-0"	7'-6"	10'-4"	9'-4"	13'-7"	8000 @3" SP	2 (4,000 CFM)	7	8	2	5HP	2
RPB-10-10-7.5-00-S	10'-0"	10'-0"	7'-6"	10'-4"	10'-2"	13'-7"	10000 @3" SP	2 (5,000 CFM)	9	8	2	7.5HP	2
RPB-12-07-7.5A-00-S	12'-0"	7'-0"	7'-6"	12'-4"	9'-4"	13'-8"	8000 @3" SP	1 (8,000 CFM)	7	6	1	10HP	2
RPB-12-07-7.5B-00-S	12'-0"	7'-0"	7'-6"	12'-4"	9'-4"	13'-7"	8000 @3" SP	1 (4,000 CFM)	7	8	2	5HP	2
RPB-12-08-7.5-00-S	12'-0"	8'-0"	7'-6"	12'-4"	9'-4"	13'-7"	10000 @3" SP	2 (5,000 CFM)	9	8	2	7.5HP	2
RPB-12-10-7.5-00-S	12'-0"	10'-0"	7'-6"	12'-4"	10'-2"	13'-7"	12000 @3" SP	2 (6,000 CFM)	9	12	2	7.5HP	2
Reference Key	A	B	C	D	E	F							

