NON RECOVERY POWDER BOOTHS

Building your booth the right way for all the right reasons

Environmentally Safe Each Non-Recovery Powder Booth exceeds safety and code requirements – NFPA-33, IFC – to protect those that work in any industrial spray environment, while also protecting our atmosphere. Your booth will be designed to efficiently remove the powder overspray from the painting operation while maintaining uniform air flow throughout the work area.

Flexible and Adaptable You'll discover that we custom design our Non-Recovery Powder Booths to be flexible and adaptable to whatever your finishing applications might be. We design open face booths for batch production, as well as high production, conveyorized spray booth models. Adapting front filter doors, air make-up systems and special spray booth controls are just a few ways that we can engineer a custom booth for you.

Economic and Effective Our Non-Recovery Powder Booth provides you an extremely effective method of powder collecting, at half the cost of a traditional cartridge collector-type powder booth. These Booths are designed with a 3-Stage Filter System that captures the powder overspray, allowing clean air to recirculate back into your plant. This eliminates the need for exhaust stack with expensive air replacement systems. Non-Recovery Powder Booths are ideal for "spray to waste" batch operations.

The 3-Stage Filter System At Work Stage-1 prefilter pad, an easy-to-replace sacrifice filter that collects most of the powder overspray; Stage-2 pleated filter which protects the more expensive bag filter from finer powder particulates; and Stage-3 a 5-pocket, 12" deep bag filter which prevents fine powder contamination from recirculating in the plant. A pressure switch is included for monitoring the static pressure across the final stage. This pressure switch is a safety device which interlocks with the powder equipment to shut off at a pre-determined set point to warn operators to service the filters.

Appearance and Durability Your booth will have a quality appearance with our durable premium grade G-90 galvanized steel–a superior steel material that allows our booths to resist corrosion and to last longer.

PACKAGE FEATURES & BENEFITS

- **CNC and CAD Technology**–panels are manufactured of premium 18 gauge G-90 galvanized steel, and are precision-punched on six inch centers, allowing for easy nut and bolt assembly, and exploded view assembly drawings supplied
- **Quiet Exhaust Fan**–typically operates at low dBa noise levels, below OSHA limits
- **High Efficiency Motor**–tri voltage, TEFC, motors that match the high efficiency performance of the exhaust fan, three phase with a single phase option
- **Exhaust Filters**–20" x 25" filters yield a larger filter area, with a specially spun fiber design to remove paint particles efficiently. A manometer to properly manage filter maintenance is included
- **Lighting**–high efficiency lighting fixtures designed for mounting outside booth, industrial rated, four-tube (T-8) fluorescent fixtures with dust-tight seals and are ETL listed
- **UL Listed**–all electrical components and latching devices are UL/ETL listed
- **Essential Accessories**–all necessary caulking, nuts and bolts, hardware for proper booth installation

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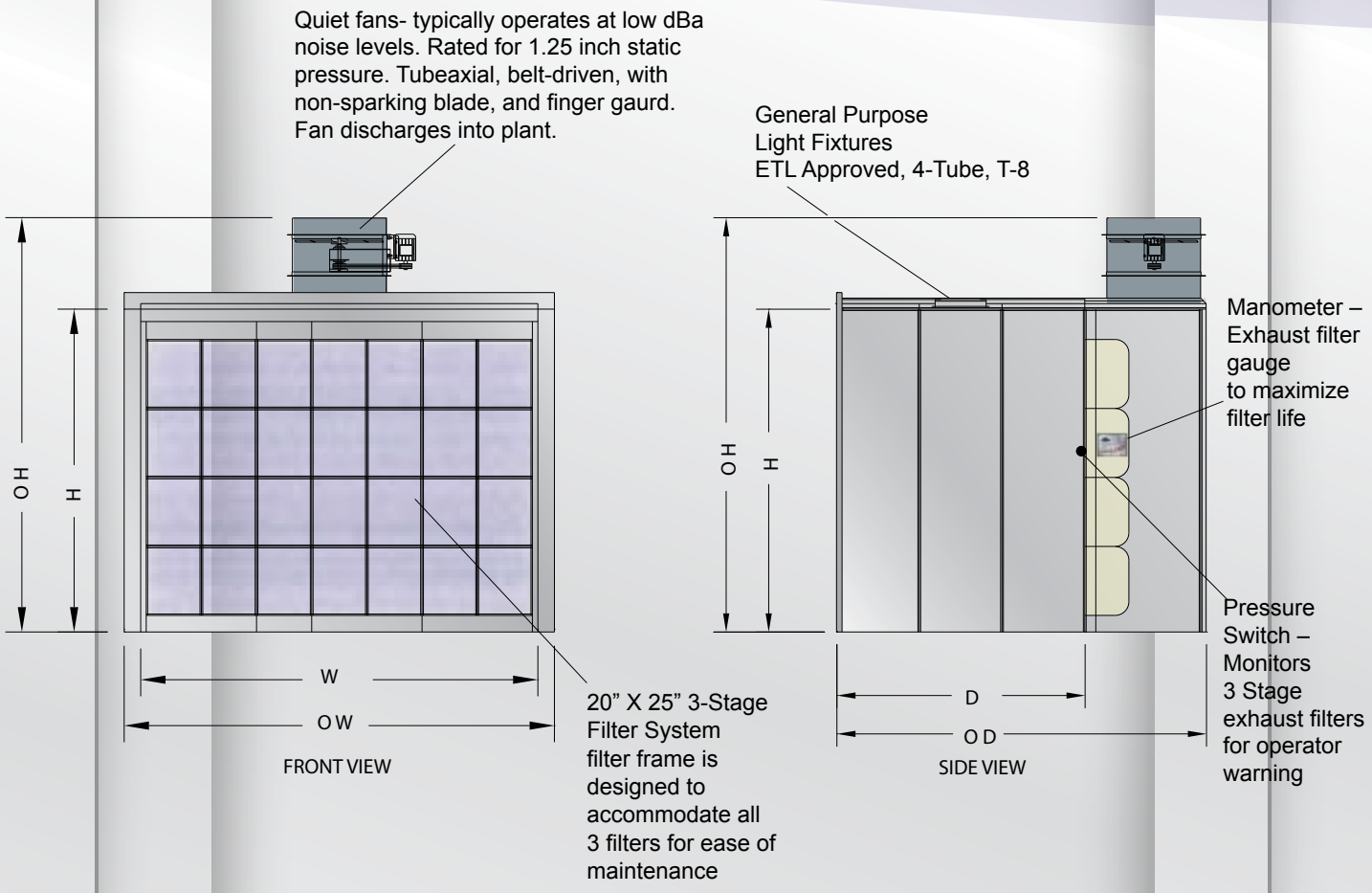
MADE IN THE USA

Spray Systems inc.



8′ High Standard Non-Recovery Powder Booth Models

(100 FPM Average Face Velocity meeting minimum NFPA-33 Code Requirements)

Model Number	Work Dimensions W	H	D	Overall Dimensions O W	O H	O D	Fan Dia	Fan Motor H.P.	Airflow SCFM @ 1.25"S.P.	3 Stage-Filter Qty	Light Fixture Qty	Shipping Weight Lbs
PB-585-NR	5'-6"	7'-9"	5'-0"	5'-10"	10'-6"	8'-8"	24"	1 1/2	4400	9	1	950
PB-887-NR	7'-6"	7'-9"	7'-6"	7'-10"	10'-6"	11'-2"	24"	3	6400	12	1	1550
PB-1087-NR	9'-6"	7'-9"	7'-6"	9'-10"	10'-6"	11'-2"	34"	3	8000	16	2	1750
PB-1287-NR	12'-0"	7'-9"	7'-6"	13'-0"	10'-6"	11'-2"	34"	5	9600	21	2	2050
PB-1487-NR	14'-0"	7'-9"	7'-6"	15'-0"	10'-6"	11'-2"	34"	5	11200	24	2	2350
PB-1687-NR	16'-0"	7'-9"	7'-6"	17'-4"	10'-6"	11'-2"	42"	5	12800	28	4	2550
PB-1887-NR	18'-0"	7'-9"	7'-6"	19'-4"	11'-2"	11'-2"	42"	7.5	14400	32	4	2850
PB-2087-NR	20'-0"	7'-9"	7'-6"	22'-0"	11'-2"	11'-2"	42"	7.5	16000	36	6	3250

Specifications are subject to change without notice

Non-Recovery Powder Booths

10′ High Standard Non-Recovery Powder Booth Models
(100 FPM Average Face Velocity meeting minimum NFPA-33 Code Requirements)

Model Number	Work Dimensions W	H	D	Overall Dimensions O W	O H	O D	Fan Dia	Fan Motor H.P.	Airflow SCFM @ 1.25"S.P.	3 Stage-Filter Qty	Light Fixture Qty	Shipping Weight Lbs
PB-8107-NR	7'-6"	9'-9"	7'-6"	7'-11"	12'-6"	11'-2"	24"	3	8000	16	1	1750
PB-10107-NR	9'-6"	9'-9"	7'-6"	9'-11"	12'-6"	11'-2"	34"	5	10000	20	2	2150
PB-12107-NR	12'-0"	9'-9"	7'-6"	13'-0"	12'-6"	11'-2"	34"	5	12000	28	2	2350
PB-14107-NR	14'-0"	9'-9"	7'-6"	15'-0"	13'-2"	11'-2"	42"	5	14000	32	2	2950
PB-16107-NR	16'-0"	9'-9"	7'-6"	17'-4"	13'-2"	11'-2"	42"	7.5	16000	36	4	3250
PB-18107-NR	18'-0"	9'-9"	7'-6"	19'-4"	13'-2"	11'-8"	42"	7.5	18000	40	4	3850
PB-20107-NR	20'-0"	9'-9"	7'-6"	22'-0"	13'-2"	11'-8"	42"	7.5	20000	45	6	4250

Specifications are subject to change without notice

12′ High Standard Non-Recovery Powder Booth Models
(100 FPM Average Face Velocity meeting minimum NFPA-33 Code Requirements)

Model Number	Work Dimensions W	H	D	Overall Dimensions O W	O H	O D	Fan Dia	Fan Motor H.P.	Airflow SCFM @ 1.25"S.P.	3 Stage-Filter Qty	Light Fixture Qty	Shipping Weight Lbs
PB-8127-NR	7'-6"	11'-9"	7'-6"	7'-11"	14'-6"	11'-4"	34"	5	9600	20	1	1825
PB-10127-NR	9'-6"	11'-9"	7'-6"	9'-11"	14'-6"	11'-4"	34"	5	12000	25	2	2300
PB-12127-NR	12'-0"	11'-9"	7'-6"	12'-4"	14'-6"	11'-4"	34"	7.5	14400	35	2	2800
PB-14127-NR	14'-0"	11'-9"	7'-6"	14'-4"	15'-2"	11'-4"	42"	7.5	16800	40	2	3050
PB-16127-NR	16'-0"	11'-9"	7'-6"	16'-4"	15'-2"	11'-4"	42"	7.5	19200	45	4	3450
PB-18127-NR	18'-0"	11'-9"	7'-6"	18'-4"	15'-2"	11'-10"	42"	10	21600	50	4	3650
PB-20127-NR	20'-0"	11'-9"	7'-6"	20'-4"	15'-2"	11'-10"	42"	10	24000	55	6	4550

Specifications are subject to change without notice

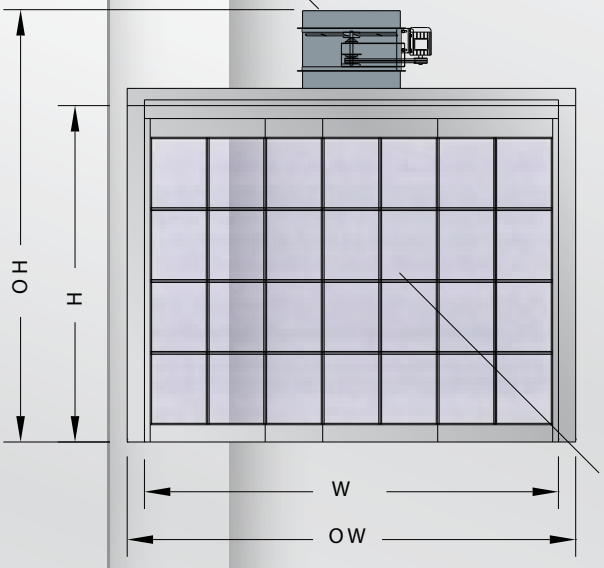
OPTIONS / ACCESSORIES

- Access Doors
- Air Make-up Units
- Air Solenoid Valves
- Constant Velocity Controls
- Control Panels
- Energy savings stand-by/idle mode
- Exhaust Stack Components
- Front Filter Doors
- Heaters / Infrared
- Lighting
- Magnahelic Gauges
- Observation Windows
- Pressurized Air Supply Plenums
- Safety Shut-Down System
- Specialized Filters

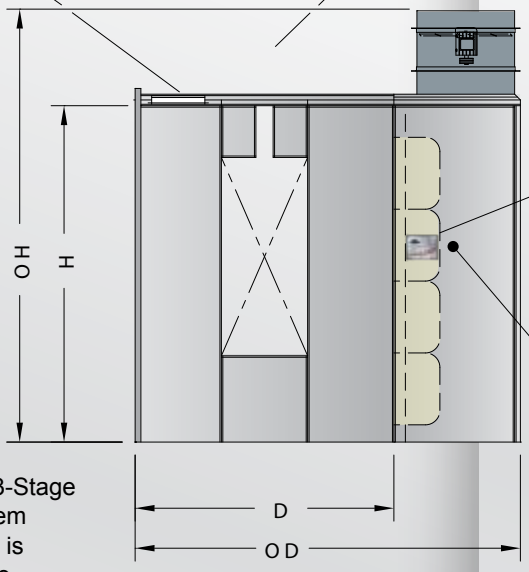
Quiet fans- typically operates at low dBa noise levels. Rated for 1.25 inch static pressure. Tubeaxial, belt-driven, with non-sparking blade, and finger gaurd. Fan discharges into plant.

Vapor Tight, Class I, Div. II light fixture rated for spray booth applications

Conveyor opening custom designed to accommodate part specifications*



FRONT VIEW



SIDE VIEW

Manometer – Exhaust filter gauge to maximize filter life

Pressure Switch – Monitors 3 Stage exhaust filters for operator warning

20" X 25" 3-Stage Filter System filter frame is designed to accommodate all 3 filters for ease of maintenance

**Note – Large conveyor openings might require a higher rated CFM exhaust fan; consult your Spray Systems advisor*

8′ High Conveyorized Non-Recovery Powder Booth Models

(120 FPM Average Face Velocity meeting minimum NFPA-33 Code Requirements)

Model Number	Work Dimensions W	H	D	Overall Dimensions O W	O H	O D	Fan Dia	Fan Motor H.P.	Airflow SCFM @ 1.25"S.P.	3 Stage-Filter Qty	Light Fixture Qty	Shipping Weight Lbs
PB-585-NRC	5'-6"	7'-9"	5'-0"	5'-10"	10'-6"	8'-8"	24"	2	5280	9	1	950
PB-887-NRC	7'-6"	7'-9"	7'-6"	7'-10"	10'-6"	11'-2"	24"	3	7200	12	1	1550
PB-1087-NRC	9'-6"	7'-9"	7'-6"	9'-10"	10'-6"	11'-2"	34"	5	9600	16	2	1750
PB-1287-NRC	12'-0"	7'-9"	7'-6"	13'-0"	10'-6"	11'-2"	34"	5	12480	21	2	2050
PB-1487-NRC	14'-0"	7'-9"	7'-6"	15'-0"	10'-6"	11'-2"	34"	7.5	13440	24	2	2350
PB-1687-NRC	16'-0"	7'-9"	7'-6"	17'-4"	10'-6"	11'-2"	34"	7.5	15360	28	4	2550
PB-1887-NRC	18'-0"	7'-9"	7'-6"	19'-4"	11'-2"	11'-2"	42"	7.5	17280	32	4	2850
PB-2087-NRC	20'-0"	7'-9"	7'-6"	22'-0"	11'-2"	11'-2"	42"	7.5	19200	36	6	3250

Specifications are subject to change without notice

Non-Recovery Powder Booths

10′ High Conveyorized Non-Recovery Powder Booth Models
(120 FPM Average Face Velocity meeting minimum NFPA-33 Code Requirements)

Model Number	Work Dimensions W	H	D	Overall Dimensions O W	O H	O D	Fan Dia	Fan Motor H.P.	Airflow SCFM @ 1.25"S.P.	3 Stage Filter Qty	Light Fixture Qty	Shipping Weight Lbs
PB-8107-NRC	7'-6"	9'-9"	7'-6"	7'-11"	12'-6"	11'-2"	34"	5	9600	16	11	1750
PB-10107-NRC	9'-6"	9'-9"	7'-6"	9'-11"	12'-6"	11'-2"	34"	5	12000	20	2	2150
PB-12107-NRC	12'-0"	9'-9"	7'-6"	13'-0"	12'-6"	11'-2"	34"	7.5	14400	28	2	2350
PB-14107-NRC	14'-0"	9'-9"	7'-6"	15'-0"	13'-2"	11'-2"	42"	7.5	16800	32	2	3950
PB-16107-NRC	16'-0"	9'-9"	7'-6"	17'-4"	13'-2"	11'-2"	42"	7.5	19200	36	4	3275
PB-18107-NRC	18'-0"	9'-9"	7'-6"	19'-4"	13'-2"	11'-8"	42"	10	21600	40	4	3875
PB-20107-NRC	20'-0"	9'-9"	7'-6"	22'-0"	13'-2"	11'-8"	42"	10	24000	45	6	4275

Specifications are subject to change without notice

12′ High Conveyorized Non-Recovery Powder Booth Models
(120 FPM Average Face Velocity meeting minimum NFPA-33 Code Requirements)

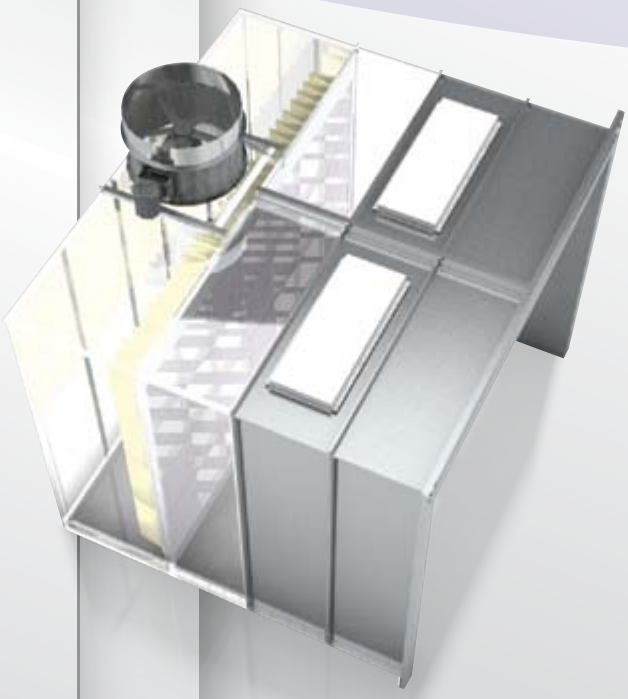
Model Number	Work Dimensions W	H	D	Overall Dimensions O W	O H	O D	Fan Dia	Fan Motor H.P.	Airflow SCFM @ 1.25"S.P.	3 Stage Filter Qty	Light Fixture Qty	Shipping Weight Lbs
PB-8127-NRC	7'-6"	11'-9"	7'-6"	7'-11"	14'-6"	11'-4"	42"	5	11520	20	1	1825
PB-10127-NRC	9'-6"	11'-9"	7'-6"	9'-11"	14'-6"	11'-4"	42"	5	14400	25	2	2300
PB-12127-NRC	12'-0"	11'-9"	7'-6"	12'-4"	14'-6"	11'-4"	42"	7.5	17280	35	2	2800
PB-14127-NRC	14'-0"	11'-9"	7'-6"	14'-4"	15'-2"	11'-4"	42"	10	20160	40	2	3075
PB-16127-NRC	16'-0"	11'-9"	7'-6"	16'-4"	15'-2"	11'-4"	42"	10	23040	45	4	3475
PB-18127-NRC	18'-0"	11'-9"	7'-6"	18'-4"	15'-2"	11'-10"	42"	10	25920	50	4	3675
PB-20127-NRC	20'-0"	11'-9"	7'-6"	20'-4"	15'-2"	11'-10"	42"	15	28800	55	6	4575

Specifications are subject to change without notice

OPTIONS / ACCESSORIES

- Access Doors
- Air Make-up Units
- Air Solenoid Valves
- Constant Velocity Controls
- Control Panels
- Energy savings stand-by/idle mode
- Exhaust Stack Components
- Front Filter Doors
- Heaters / Infrared
- Lighting
- Magnahelic Gauges
- Observation Windows
- Pressurized Air Supply Plenums
- Safety Shut-Down System
- Specialized Filters

Customize With Extended Working Depths



Depending on your coating needs, facility or booth location, adding extended working depths may be essential. Customize your industrial booth by adding extension modules with all the required support stiffeners, nuts and bolts, and caulking.

5′-0″ or 7′-6″ deep extension modules include all required lighting.

MODEL NUMBER			PART NUMBER			SHIPPING WEIGHT		
Booth Size	I.D. Width	I.D. Height	2'-6" Extension	5'-0" Extension	7'-6" Extension	EXT. 2'-6"	EXT. 5'-0"	EXT. 7'-6"
PB-585	5'-6"	7'-9"	20-1100-31	20-1100-61	20-1100-91	165	330	495
PB-887	7'-6"	7'-9"	20-1101-30	20-1101-60	20-1101-90	195	390	585
PB-1087	9'-6"	7'-9"	20-1102-30	20-1102-60	20-1102-90	215	430	645
PB-1287	12'-0"	7'-9"	20-1103-30	20-1103-60	20-1103-90	245	490	735
PB-1487	14'-0"	7'-9"	20-1104-30	20-1104-60	20-1104-90	265	530	795
PB-1687	16'-0"	7'-9"	20-1105-30	20-1105-60	20-1105-90	285	570	855
PB-1887	18'-0"	7'-9"	20-1106-30	20-1106-60	20-1106-90	305	610	915
PB-2087	20'-0"	7'-9"	20-1107-30	20-1107-60	20-1107-90	325	650	975
PB-2287	22'-0"	7'-9"	20-1108-30	20-1108-60	20-1108-90	355	710	1065
PB-2487	24'-0"	7'-9"	20-1109-30	20-1109-60	20-1109-90	375	750	1125
PB-8107	7'-6"	9'-9"	20-1111-30	20-1111-60	20-1111-90	215	430	645
PB-10107	9'-6"	9'-9"	20-1112-30	20-1112-60	20-1112-90	235	470	705
PB-12107	12'-0"	9'-9"	20-1113-30	20-1113-60	20-1113-90	265	530	795
PB-14107	14'-0"	9'-9"	20-1114-30	20-1114-60	20-1114-90	285	570	855
PB-16107	16'-0"	9'-9"	20-1115-30	20-1115-60	20-1115-90	305	610	915
PB-18107	18'-0"	9'-9"	20-1116-30	20-1116-60	20-1116-90	325	650	975
PB-20107	20'-0"	9'-9"	20-1117-30	20-1117-60	20-1117-90	355	710	1065
PB-22107	22'-0"	9'-9"	20-1118-30	20-1118-60	20-1118-90	375	750	1125
PB-24107	24'-0"	9'-9"	20-1119-30	20-1119-60	20-1119-90	395	790	1185
PB-8127	7'-6"	11'-9"	20-1120-30	20-1120-60	20-1120-90	255	510	765
PB-10127	9'-6"	11'-9"	20-1121-30	20-1121-60	20-1121-90	275	550	825
PB-12127	12'-0"	11'-9"	20-1122-30	20-1122-60	20-1122-90	295	590	885
PB-14127	14'-0"	11'-9"	20-1123-30	20-1123-60	20-1123-90	315	630	945
PB-16127	16'-0"	11'-9"	20-1124-30	20-1124-60	20-1124-90	345	690	1035
PB-18127	18'-0"	11'-9"	20-1125-30	20-1125-60	20-1125-90	365	730	1095
PB-20127	20'-0"	11'-9"	20-1126-30	20-1126-60	20-1126-90	385	770	1155
PB-22127	22'-0"	11'-9"	20-1127-30	20-1127-60	20-1127-90	405	810	1215
PB-24127	24'-0"	11'-9"	20-1128-30	20-1128-60	20-1128-90	425	850	1275

Specifications are subject to change without notice

And Front Filter Doors

Part Number 20-3000-00

Protect Your High Quality Finishes Add filter doors to the front of your booth to ensure the highest quality finishes for your products. All filter doors include high efficiency 20″ X 25″ X 2″ air supply filters, door jambs, and hardware. (*Side access doors may be required on totally enclosed booths).*

Sturdy Door Construction Structural tube frame, continuously welded for strength, corrosion protection, leak-proof wiper seal at base, and heavy duty safety latches. All access doors include a 18″ X 36″ observation window.

Exhaust System Precaution–Filter doors add approximately .25″ static pressure to the exhaust system requiring that the rating of the fan match the static pressure; consult your Spray Systems advisor.

FRONT FILTER DOORS

Model Number	Booth Size	Door Opening Width	Door Opening Height	Individual Door Width	Door Qty.	Filters Size	Filters Qty.	Maximum C.F.M.	Shipping Weight
20-1000-08	PB-585	4'-3"	7'-7½"	4'-6" x 7'-8"	1	20" x 25"	8	5600	315
20-1001-08	PB-887	7'-2"	7'-7½"	3'-8" x 7'-8"	2	20" x 25"	12	8400	445
20-1002-08	PB-1087	9'-2"	7'-7½"	4'-8" x 7'-8"	2	20" x 25"	16	11200	503
20-1003-08	PB-1287	10'-10"	7'-7½"	5'-6" x 7'-8"	2	20" x 25"	18	12600	570
20-1004-08	PB-1487	10'-10"	7'-7½"	5'-6" x 7'-8"	2	20" x 25"	18	12600	605
20-1005-08	PB-1687	10'-10"	7'-7½"	5'-6" x 7'-8"	2	20" x 25"	22	15400	665
20-1006-08	PB-1887	13'-10"	7'-7½"	7'-0" x 7'-8"	2	20" x 25"	24	16800	710
20-1007-08	PB-2087	13'-10"	7'-7½"	7'-0" x 7'-8"	2	20" x 25"	24	16800	745
20-1008-08	PB-2287	17'-6"	7'-7½"	8'-10" x 7'-8"	2	20" x 25"	30	21000	825
20-1009-08	PB-2487	17'-6"	7'-7½"	8'-10" x 7'-8"	2	20" x 25"	36	25200	870
20-1001-10	PB-8107	7'-2"	9'-7½"	3'-8" x 9'-8"	2	20" x 25"	16	11200	525
20-1002-10	PB-10107	9'-2"	9'-7½"	4'-8" x 9'-8"	2	20" x 25"	20	14000	595
20-1003-10	PB-12107	10'-10"	9'-7½"	5'-6" x 9'-8"	2	20" x 25"	24	16800	675
20-1004-10	PB-14107	10'-10"	9'-7½"	5'-6" x 9'-8"	2	20" x 25"	24	16800	715
20-1005-10	PB-16107	10'-10"	9'-7½"	5'-6" x 9'-8"	2	20" x 25"	32	22400	785
20-1006-10	PB-18107	14'-2"	9'-7½"	7'-2" x 9'-8"	2	20" x 25"	32	22400	835
20-1007-10	PB-20107	14'-2"	9'-7½"	7'-2" x 9'-8"	2	20" x 25"	32	22400	925
20-1008-10	PB-22107	17'-6"	9'-7½"	8'-10" x 9'-8"	2	20" x 25"	40	28000	985
20-1009-10	PB-24107	17'-6"	9'-7½"	8'-10" x 9'-8"	2	20" x 25"	48	33600	1035
20-1001-12	PB-8127	7'-2"	11'-7½"	3'-8" x 11'-8"	2	20" x 25"	20	14000	600
20-1002-12	PB-10127	9'-2"	11'-7½"	4'-8" x 11'-8"	2	20" x 25"	24	16800	670
20-1003-12	PB-12127	10'-10"	11'-7½"	5'-6" x 11'-8"	2	20" x 25"	30	21000	765
20-1004-12	PB-14127	10'-10"	11'-7½"	5'-6" x 11'-8"	2	20" x 25"	30	21000	825
20-1005-12	PB-16127	10'-10"	11'-7½"	5'-6" x 11'-8"	2	20" x 25"	40	28000	910
20-1006-12	PB-18127	14'-2"	11'-7½"	7'-2" x 11'-8"	2	20" x 25"	40	28000	980
20-1007-12	PB-20127	14'-2"	11'-7½"	7'-2" x 11'-8"	2	20" x 25"	40	28000	1000
20-1008-12	PB-22127	17'-6"	11'-7½"	8'-10" x 11'-8"	2	20" x 25"	50	35000	1130
20-1009-12	PB-24127	17'-6"	11'-7½"	8'-10" x 11'-8"	2	20" x 25"	50	35000	1200

Specifications are subject to change without notice

Spray Systems inc.

Where Custom Designs Are Standard

Booth Designs

- Open Face Booths
- Enclosed Booths
  - -Cross Draft
  - -Down Draft
  - -Side Down Draft
  - -Semi-Down Draft
  - -Spray Bake

Booth Types

- Bench Booths
- Blasting Enclosures
- Booth Extensions
- Conveyorized Spray Booths
- Customized Duct Designs
- Dry Filter/Industrial Booths
- Dust Collectors
- Grinding Booths
- Powder Booths
  - -Recovery type
  - -Non-Recovery type
- Truck and Large Equipment Booths
- Water Wash Spray Booths
  - -Centrifuge Sludge Systems
  - -Pump Type
  - -Pumpless Type

Additional Options

- Air Make-up Units
- Booth Extensions
- Electrical Control Panels
- Flash Tunnels
- Ovens
  - -Drying Enclosures
  - -Convection (gas or electric)
  - -Infrared (catalytic and electric)
- Turnkey and Custom Systems
- VOC Abatement Systems

An American Tradition of Excellence

The Spray Systems Advantage Located in Pomona, California since 1978, our 45,000 square foot facility houses state-of-the-art machinery operated by dedicated and highly skilled team members. With more than 35 years of experience in the design, fabrication and installation of spray booths, we can deliver to you the custom products, precision engineering, and responsive service to ensure your complete satisfaction – whatever your company size, finished product specifications, production rates, or coating needs.

Enjoy Our Wide Selection And Flexible Design We feature more than 300 booth design options for a wide variety of uses, and specialize in custom designs for the most unique of applications. To ensure full integration, our spray booth design will take into account all of your specific finishing requirements, including filtration, lighting, temperature, humidity and air flow.

Discover Precise, Custom Tailored Engineering Solutions All booths are custom designed using the latest version of AutoCAD to ensure precision and prevent against interference fit – early detection in the design stage prevents costly field modifications for you. We feature easy-to-read and easy-to-follow isometric assembly drawings. Each panel and component part is identified with a computer-generated label that precisely matches the CAD-produced, exploded-view assembly drawing – all making installation efficient and trouble-free.

Receive Unparalleled Personal Attention Spray Systems is committed to providing you dedicated service and support that place a high value on accountability and quality control. That means walking you through every phase of the design and installation process and tailoring our manufacturing to your specific requirements. We want to ensure the on-going success of your spray booth training, service, and operations. For us, quality of service doesn't end with the installation.

Call For A Free Consultation

Discuss Your Spray Booth Needs With Your Spray Systems Advisor

800 736-6944

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Spray Systems – building your booth the right way for all the right reasons

MADE IN THE USA