COL-MET
Engineered Finishing Solutions
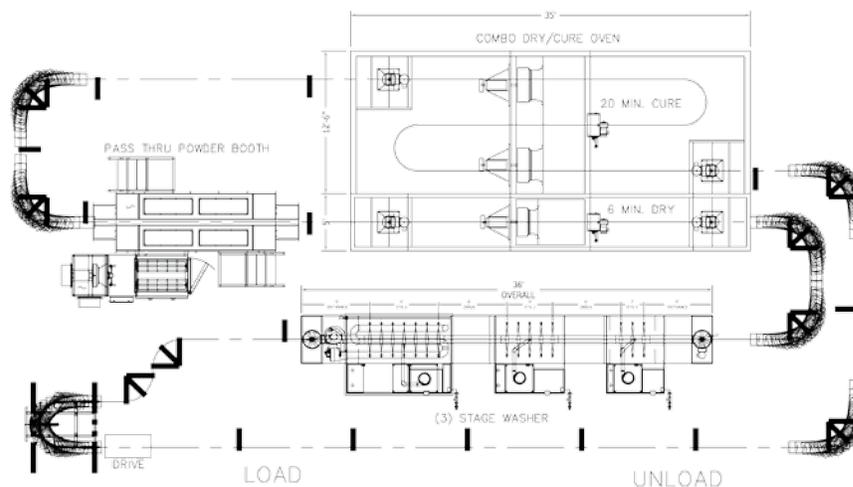
Sales Literature Catalog

Engineered Products

Col-Met's Engineered Products Group is here to help you with your custom projects. Our highly experienced team has been selected to help our distribution partner's design and engineer finishing solutions from concept to installation. We will gather information based on your goals and objectives, ask probing questions to make sure we have gathered all of the appropriate information, then begin designing your solution while optimizing for efficiency and productivity.

Together, our team has more than 75 years experience designing complex finishing solutions using multiple components. No matter what size project, our engineering team can design and build equipment to meet your specific needs.

Our Engineered Products Group will consult with you and make specific recommendations for those special projects where a unique solution is required to meet your particular finishing needs. Utilizing the most advanced software, we will generate CAD designs and digital prototypes from which to work and so we know the right questions to ask beforehand in order to build the most optimal system solution just for you.

Contact an Engineered Products team member today for your special projects.
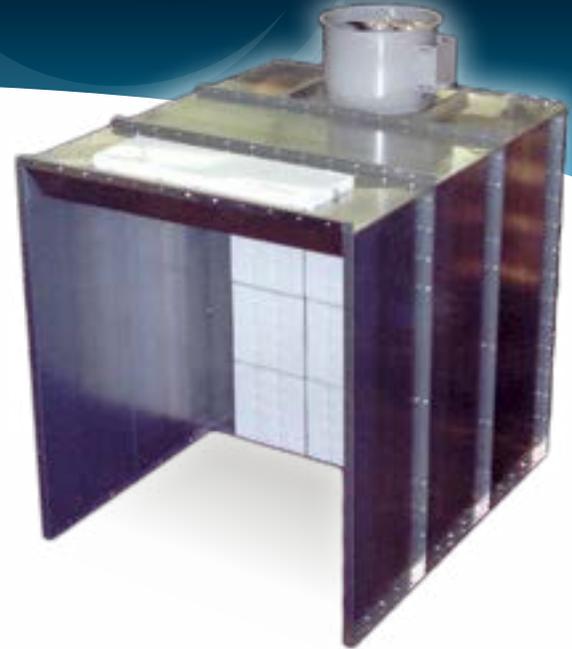
System Layout Example

Col-Met Engineered Finishing Solutions
2975 Discovery Blvd. Rockwall, TX 75032 **Toll-Free** 888-452-6684 **eFax** (972)-408-0854 **Email** sales@colmetsb.com **www.colmetsb.com**

Follow Us:

Open Front Booths

- **Heavy Duty Bolted Construction**
- **Batch and Automated Production Designs**
- **Easy to Install**
- **ETL Certification Available**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

Designed for both batch and conveyorized production systems, Col-Met's Open Front Paint Booths offer a safe and clean environment for any type of finishing operation. Airflow is drawn in through the open front, across the work area and exhausted through a filter bank in the back of the booth. The dry arrestor filters trap the airborne overspray particles before the filtered air is discharged through the exhaust system and into the atmosphere.

Conveyor pass-through openings can be as much as 25% of the booth open front area, without requiring additional exhaust fan capacity. Specially engineered enclosures may be designed to meet your requirements.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel and are engineered with corresponding support structure as booth dimensions demand. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

>> **ETL-Listed** With Purchase of Optional Control Panel

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> 2-Stage filtration, 3-stage filtration, NESHAP filtration
>> Reduced airflows for automatic spray operations
>> Durable powder coated white option available
>> Conveyor and crane slots/openings available
>> Control panel and other electrical components can be purchased separately
>> Exhaust ductowrk

UL & ETL listed control panel

Air solenoid valve

5/16" bolts with serrated lock nut

Industry-leading light levels

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.

Model Number	Interior Dimensions			Exterior Dimensions			Qty. Lights	Qty. Filters	Fan Diameter	Fan HP	SCFM @ 1/2" SP	Shipping Weight
	Width	Height	Length	Width	Height	Length						
IB-04-07-05-00-S*	4'-0"	7'-0"	5'-0"	4'-4"	7'-2"	7'-2"	0	8	18"	.75HP	3,500	675
IB-06-07-05-00-S*	6'-0"	7'-0"	5'-0"	6'-4"	7'-2"	7'-8"	1	12	24"	1HP	5,250	940
IB-08-07-05-00-S*	8'-0"	7'-0"	5'-0"	8'-4"	7'-2"	7'-8"	1	16	24"	2HP	7,150	1,240
IB-10-07-05-00-S*	10'-0"	7'-0"	5'-0"	10'-4"	7'-2"	8'-2"	2	20	30"	2HP	8,750	1,630
IB-12-07-07-00-S*	12'-0"	7'-0"	7'-0"	12'-4"	7'-2"	10'-2"	2	24	30"	3HP	10,500	1,870
IB-14-07-07-00-S*	14'-0"	7'-0"	7'-0"	15'-0"	7'-6"	10'-8"	2	32	30"	3HP	12,250	2,450
IB-16-07-07-00-S*	16'-0"	7'-0"	7'-0"	17'-0"	7'-6"	10'-8"	2	36	30"	5HP	14,000	2,650
IB-18-07-07-00-S	18'-0"	7'-0"	7'-0"	19'-0"	7'-6"	11'-8"	3	40	36"	5HP	15,750	3,000
IB-20-07-07-00-S	20'-0"	7'-0"	7'-0"	19'-0"	7'-6"	11'-8"	3	40	36"	5HP	15,750	3,000
IB-04-08-05-00-S*	4'-0"	8'-0"	5'-0"	4'-4"	8'-2"	7'-2"	0	8	18"	.75HP	4,000	703
IB-06-08-05-00-S*	6'-0"	8'-0"	5'-0"	6'-4"	8'-2"	7'-8"	1	12	24"	1.5HP	6,000	1,020
IB-08-08-05-00-S*	8'-0"	8'-0"	5'-0"	8'-4"	8'-2"	7'-8"	1	16	24"	2HP	8,000	1,490
IB-10-08-05-00-S*	10'-0"	8'-0"	5'-0"	10'-4"	8'-2"	8'-2"	2	20	30"	3HP	10,000	1,780
IB-12-08-07-00-S*	12'-0"	8'-0"	7'-0"	12'-4"	8'-2"	10'-2"	2	24	30"	3HP	12,000	2,270
IB-14-08-07-00-S*	14'-0"	8'-0"	7'-0"	15'-0"	8'-6"	10'-8"	2	32	30"	5HP	14,000	2,600
IB-16-08-07-00-S*	16'-0"	8'-0"	7'-0"	17'-0"	8'-6"	11'-8"	2	36	36"	5HP	16,000	2,810
IB-18-08-07-00-S*	18'-0"	8'-0"	7'-0"	19'-0"	8'-6"	11'-8"	3	40	36"	5HP	18,000	3,150
IB-20-08-07-00-S*	20'-0"	8'-0"	7'-0"	21'-0"	8'-6"	11'-8"	4	44	42"	5HP	20,000	3,690
IB-04-10-05-00-S*	4'-0"	10'-0"	5'-0"	4'-4"	10'-2"	7'-2"	0	10	18"	1.5HP	5,000	1,100
IB-06-10-05-00-S*	6'-0"	10'-0"	5'-0"	6'-4"	10'-2"	7'-8"	1	15	24"	2HP	7,500	1,650
IB-08-10-05-00-S*	8'-0"	10'-0"	5'-0"	8'-4"	10'-2"	8'-2"	1	20	30"	2HP	10,000	1,900
IB-10-10-05-00-S*	10'-0"	10'-0"	5'-0"	10'-4"	10'-2"	8'-2"	2	25	30"	3HP	12,500	2,350
IB-12-10-07-00-S*	12'-0"	10'-0"	7'-0"	12'-4"	10'-2"	10'-2"	2	30	30"	5HP	15,000	2,500
IB-14-10-07-00-S*	14'-0"	10'-0"	7'-0"	15'-0"	10'-6"	11'-8"	2	40	36"	5HP	17,500	3,000
IB-16-10-07-00-S*	16'-0"	10'-0"	7'-0"	17'-0"	10'-6"	11'-8"	2	45	42"	5HP	20,000	3,400
IB-18-10-07-00-S*	18'-0"	10'-0"	7'-0"	19'-0"	10'-6"	11'-8"	3	50	42"	5HP	22,500	4,000
IB-20-10-07-00-S*	20'-0"	10'-0"	7'-0"	21'-0"	10'-6"	11'-8"	4	55	42"	7.5HP	25,000	4,400
IB-04-12-05-00-S	4'-0"	12'-0"	5'-0"	4'-4"	12'-2"	7'-8"	0	12	24"	1.5HP	6,000	975
IB-06-12-05-00-S*	6'-0"	12'-0"	5'-0"	6'-4"	12'-2"	7'-8"	1	18	24"	3HP	9,000	1,500
IB-08-12-05-00-S*	8'-0"	12'-0"	5'-0"	8'-4"	10'-2"	8'-2"	1	24	30"	3HP	12,000	1,700
IB-10-12-05-00-S*	10'-0"	12'-0"	5'-0"	10'-4"	12'-2"	8'-2"	2	30	30"	5HP	15,000	2,200
IB-12-12-07-00-S*	12'-0"	12'-0"	7'-0"	12'-4"	12'-2"	11'-2"	2	36	36"	5HP	18,000	2,500
IB-14-12-07-00-S*	14'-0"	12'-0"	7'-0"	15'-0"	12'-6"	11'-8"	2	48	42"	5HP	21,000	3,200
IB-16-12-07-00-S*	16'-0"	12'-0"	7'-0"	17'-0"	12'-6"	11'-8"	2	54	42"	7.5HP	24,000	3,500
IB-18-12-07-00-S*	18'-0"	12'-0"	7'-0"	19'-0"	12'-6"	11'-8"	3	60	42"	7.5HP	27,000	4,100
IB-20-12-07-00-S*	20'-0"	12'-0"	7'-0"	21'-0"	12'-6"	11'-8"	4	66	42"	10HP	30,000	4,700
Ref. Key	A	B	C		D							

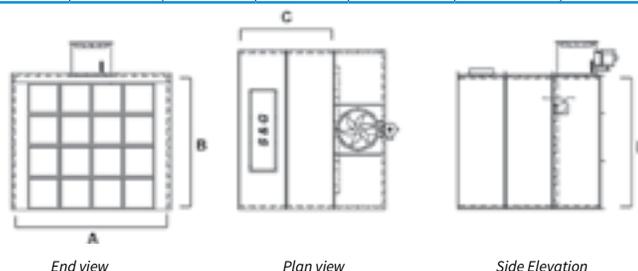*5 Day Lead Time After CEFS Order Acknowledgement
ONLY for these items without any modifications. Any additional items on the order may impact lead time. This list may change periodically. Please check our website, www.colmetsb.com, to see the latest 5 Day Lead Time list.

End view   Plan view   Side Elevation

Follow Us:

Open Front Bench Booths

- **Heavy Duty Bolted Construction**
- **Batch and Automated Production Designs**
- **Easy to Install**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

Designed for both batch and conveyorized production systems, Col-Met's Open Front Bench Booth offers a safe and clean environment for any type of finishing operation. Airflow is drawn in through the open front, across the work area and exhausted through a filter bank in the back of the booth. The dry arrestor filters trap the airborne overspray particles before the filtered air is discharged through the exhaust system and into the atmosphere.

Conveyor pass-through openings can be as much as 25% of the booth open front area, without requiring additional exhaust fan capacity. Specially engineered enclosures may be designed to meet your requirements.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel and are engineered with corresponding support structure as booth dimensions demand. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulb are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> 2-Stage filtration, 3-stage filtration, NESHAP filtration
>> Reduced air flows for automatic spray operations
>> Durable powder coated white option available
>> Control panel and other electrical components can be purchased separately
>> Exhaust ductwork

UL & ETL listed control panel

Air solenoid valve

5/16" bolts with serrated lock nut

Industry-leading light levels

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.

Model Number	Interior Dimensions			Exterior Dimensions			Qty. Lights	Qty. Filters	Fan Diameter	Fan HP	SCFM @ 1/2" SP	Shipping Weight
	Width	Height	Length	Width	Height	Length						
IBB-04-07-02-00-S	4'-0"	4'-0"	2'-0"	4'-4"	7'-2"	4'-2"	0*	4	18"	.75HP	2,000	675
IBB-05-07-03-00-S	5'-0"	4'-0"	3'-0"	5'-4"	7'-2"	5'-2"	1	4	18"	.75HP	2,500	940
IBB-06-07-03-00-S	6'-0"	4'-0"	3'-0"	6'-4"	7'-2"	5'-2"	1	6	18"	.75HP	3,000	1,240
IBB-08-07-03-00-S	8'-0"	4'-0"	3'-0"	8'-4"	7'-2"	5'-2"	1	8	18"	1HP	4,000	1,630
IBB-10-07-03-00-S	10'-0"	4'-0"	3'-0"	10'-4"	7'-2"	5'-2"	2	10	18"	1.5HP	5,000	1,870
IBB-12-07-03-00-S	12'-0"	4'-0"	3'-0"	12'-4"	7'-2"	5'-8"	2	12	24"	1.5HP	6,000	2,450
Ref. Key	A	B	C		D							

Optional 36", two-tube light fixture available.

Plan view

Left Side Elevation

View @ Work Area
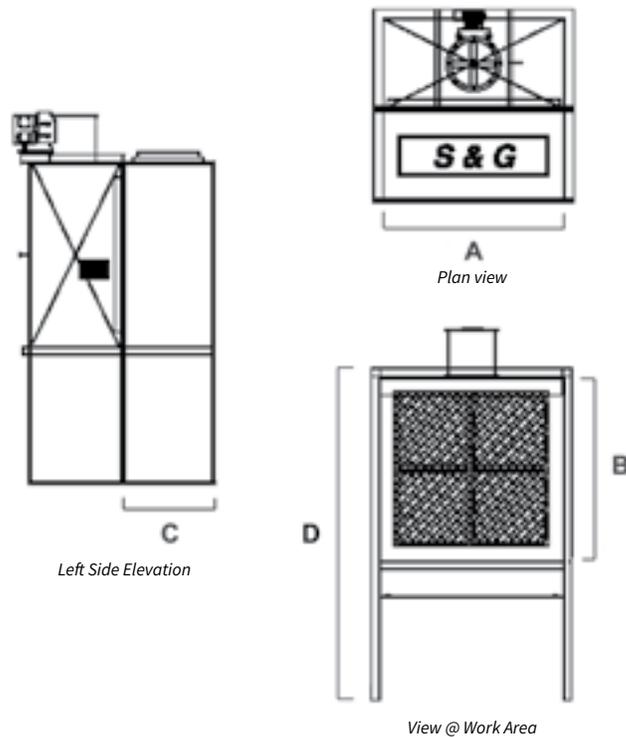
Enclosed Industrial Booth

- **Heavy Duty Bolted Construction**
- **Easy to Quick Ship**
- **Easy to Install**
- **Simple to Maintain**
- **ETL Certification Available**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

Col-Met's Enclosed Industrial Booths are developed to produce a high quality finish in an extremely efficient manner. Air flows in through the filtered double entry doors in the front of the booth, passes through the booth's working area, and into the filtered exhaust chamber located in the rear of the booth. This filtered exhaust air is drawn through the exhaust plenum and discharged upward into the atmosphere through the exhaust stack. To make efficient use of your valuable floor space, Col-Met's Enclosed Industrial Booths are available in four heights to accommodate your needs. Custom sizes are also available.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel and are engineered with corresponding support structure as booth dimensions demand. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulb are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> 2-Stage filtration, 3-stage filtration, NESHAP filtration
>> Reduced air flows for automatic spray operations
>> Durable powder coated white option available
>> Control panel and other electrical components can be purchased separately
>> Conveyor and crane slots/openings available
>> Roll-up, bifold or trifold doors
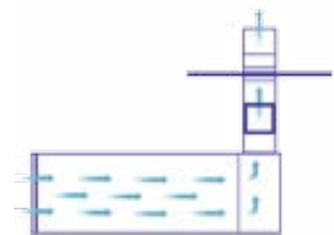>> Exhaust ductwork

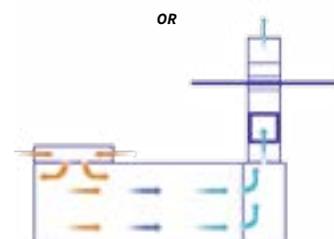*UL & ETL listed control panel*

Windowed personnel access doors

Industry-leading light levels
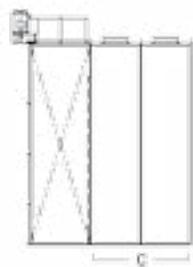
5/16" bolts with serrated lock nut

Crossdraft

OR

Modified Downdraft

Enclosed Industrial Booth
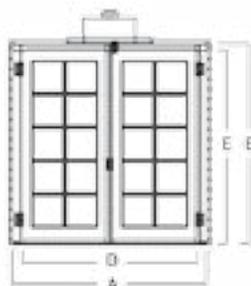

Selecting a Booth Size

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.

| Model Number | Interior Dimensions | | | Exterior Dimensions | | | Clear Door Opening | | | Qty. Lights | Filters Exhaust | Fan Diameter | Fan HP | SCFM @ 1/2" SP |
	Width	Height	Length	Width	Height	Length	Width	Height	Type					
EIB-10-07-05-00-S	10'-0"	7'-0"	5'-0"	10'-4"	7'-2"	7'-10"	9'-4"	6'-10.5"	Filtered	1	2	20	24"	2HP	7,000
EIB-12-07-07-00-S	12'-0"	7'-0"	7'-0"	12'-4"	7'-2"	9'-10"	11'-4"	6'-10.5"	Filtered	1	2	24	24"	3HP	8,400
EIB-14-07-07-00-S	14'-0"	7'-0"	7'-0"	15'-0"	7'-6"	10'-8"	13'-4"	6'-10.5"	Filtered	1	2	32	30"	3HP	9,800
EIB-16-07-07-00-S	16'-0"	7'-0"	7'-0"	17'-0"	7'-6"	10'-8"	13'-4"	6'-10.5"	Filtered	1	2	36	30"	3HP	11,200
EIB-18-07-07-00-S	18'-0"	7'-0"	7'-0"	19'-0"	7'-6"	10'-8"	13'-4"	6'-10.5"	Filtered	1	3	40	30"	3HP	12,600
EIB-20-07-07-00-S	20'-0"	7'-0"	7'-0"	21'-0"	7'-6"	10'-8"	13'-4"	6'-10.5"	Filtered	1	4	44	30"	5HP	14,000
EIB-10-08-05-00-S	10'-0"	8'-0"	5'-0"	10'-4"	8'-2"	7'-10"	9'-4"	7'-10.5"	Filtered	1	2	20	24"	3HP	8,000
EIB-12-08-07-00-S	12'-0"	8'-0"	7'-0"	12'-4"	8'-2"	10'-4"	11'-4"	7'-10.5"	Filtered	1	2	24	30"	3HP	9,600
EIB-14-08-07-00-S	14'-0"	8'-0"	7'-0"	15'-0"	8'-6"	10'-8"	13'-4"	7'-10.5"	Filtered	1	2	32	30"	3HP	11,200
EIB-16-08-07-00-S	16'-0"	8'-0"	7'-0"	17'-0"	8'-6"	10'-8"	13'-4"	7'-10.5"	Filtered	1	2	36	30"	5HP	12,800
EIB-18-08-07-00-S	18'-0"	8'-0"	7'-0"	19'-0"	8'-6"	10'-8"	13'-4"	7'-10.5"	Filtered	1	3	40	30"	5HP	14,400
EIB-20-08-07-00-S	20'-0"	8'-0"	7'-0"	21'-0"	8'-6"	11'-8"	13'-4"	7'-10.5"	Filtered	1	4	44	36"	5HP	16,000
EIB-10-10-05-00-S	10'-0"	10'-0"	5'-0"	10'-4"	10'-2"	8'-4"	9'-4"	9'-10.5"	Filtered	1	2	25	30"	3HP	10,000
EIB-12-10-07-00-S	12'-0"	10'-0"	7'-0"	12'-4"	10'-2"	10'-4"	11'-4"	9'-10.5"	Filtered	1	2	30	30"	3HP	12,000
EIB-14-10-07-00-S	14'-0"	10'-0"	7'-0"	15'-0"	10'-6"	10'-8"	13'-4"	9'-10.5"	Filtered	1	2	40	30"	5HP	14,000
EIB-16-10-07-00-S	16'-0"	10'-0"	7'-0"	17'-0"	10'-6"	11'-8"	13'-4"	9'-10.5"	Filtered	1	2	45	36"	5HP	16,000
EIB-18-10-07-00-S	18'-0"	10'-0"	7'-0"	19'-0"	10'-6"	11'-8"	13'-4"	9'-10.5"	Filtered	1	3	50	36"	5HP	18,000
EIB-20-10-07-00-S	20'-0"	10'-0"	7'-0"	21'-0"	10'-6"	11'-8"	13'-4"	9'-10.5"	Filtered	1	4	55	42"	5HP	20,000
EIB-10-12-05-00-S	10'-0"	12'-0"	5'-0"	10'-4"	12'-2"	8'-4"	9'-4"	11'-10.5"	Filtered	1	2	30	30"	3HP	12,000
EIB-12-12-07-00-S	12'-0"	12'-0"	7'-0"	12'-4"	12'-2"	10'-4"	11'-4"	11'-10.5"	Filtered	1	2	36	30"	5HP	14,400
EIB-14-12-07-00-S	14'-0"	12'-0"	7'-0"	15'-0"	12'-6"	11'-8"	13'-4"	11'-10.5"	Filtered	1	2	48	36"	5HP	16,800
EIB-16-12-07-00-S	16'-0"	12'-0"	7'-0"	17'-0"	12'-6"	11'-8"	13'-4"	11'-10.5"	Filtered	1	2	54	42"	5HP	19,200
EIB-18-12-07-00-S	18'-0"	12'-0"	7'-0"	19'-0"	12'-6"	11'-8"	13'-4"	11'-10.5"	Filtered	1	3	60	42"	5HP	21,600
EIB-20-12-07-00-S	20'-0"	12'-0"	7'-0"	21'-0"	12'-6"	11'-8"	13'-4"	11'-10.5"	Filtered	1	4	66	42"	7.5HP	24,000
Reference Key	**A**	**B**	**C**				**D**	**E**						

Alternative Configuration: Pressurized Modified Downdraft (MD)

Left Side Elevation

End View
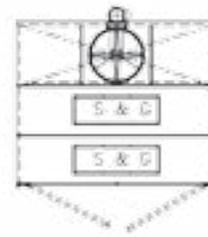
Plan View

Col-Met Engineered Finishing Solutions

2975 Discovery Blvd. Rockwall, TX 75032 **Toll-Free** 888-452-6684 **eFax** (972)-408-0854 **Email** sales@colmetsb.com **www.colmetsb.com**
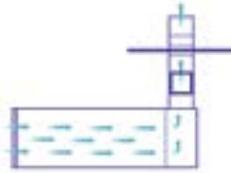
Follow Us:

EZ Classic Crossdraft

COL-MET
Engineered Finishing Solutions

- **Heavy Duty Bolted Construction**
- **Easy to Install and Operate**
- **Simple to Maintain**
- **Available for Quick Ship**
- **ETL Certification Available**

Col-Met's EZ product line was developed to provide fast availability and simple installation. Easy to maintain and operate, our EZ Classic Crossdraft Booth is the simplest configuration and is extremely efficient and economical. Used for industrial, automotive and wood applications, this booth intakes 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.

The EZ Crossdraft booths are offered in solid back, drive through, and reverse flow designs as well as pressurized and non-pressurized.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.

>> **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) and are supplied with multi voltage ballasts to accept any voltage between 120V and 277V power. Bulbs are included.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> Durable powder coated white option available
>> Roll-Up, Bifold or Trifold Doors
>> Control panel and other electrical components can be purchased separately
>> Exhaust ductwork
>> Solid back, drive through, and reverse flow designs
>> Pressurized or non-pressurized
>> Double wall insulated

UL & ETL listed control panel

Industry-leading light levels

Windowed personnel access doors

5/16" bolts with serrated lock nut
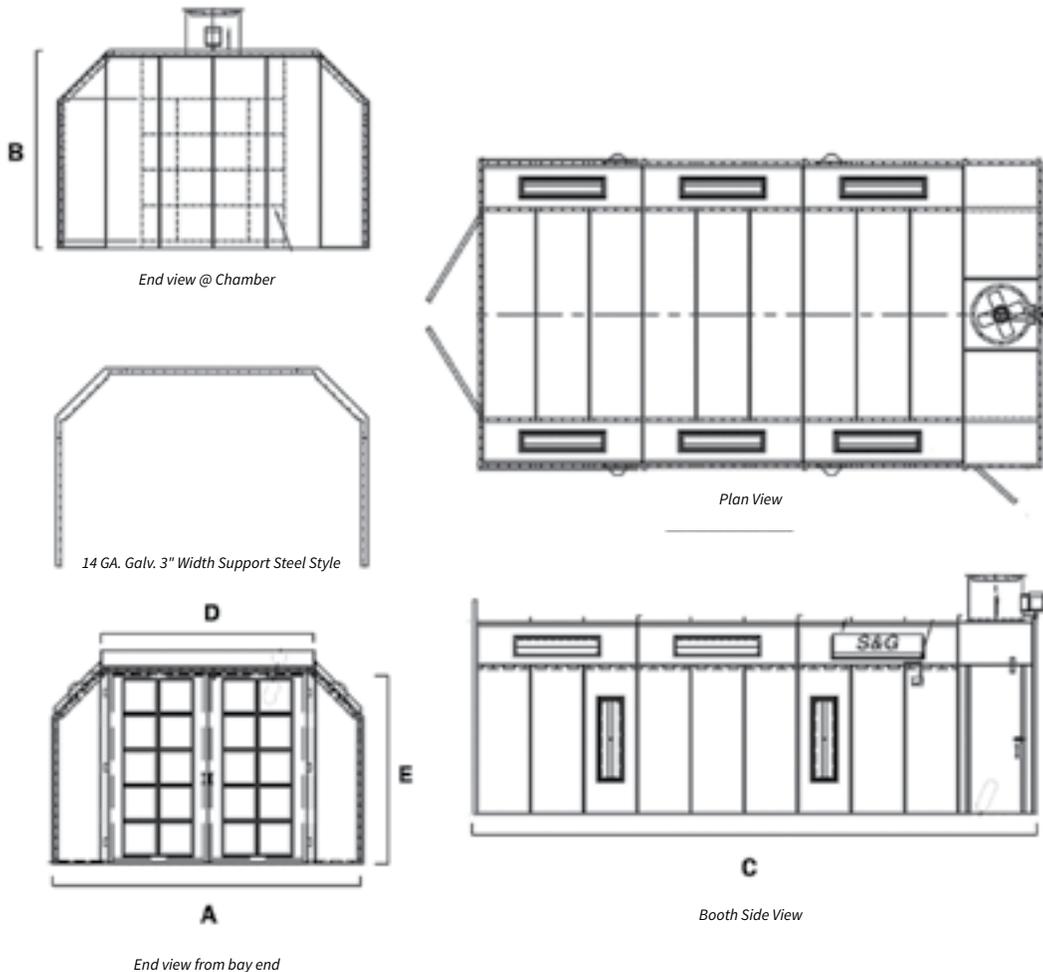
EZ Classic Crossdraft

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.

| Model Number	Interior Dimensions			Exterior Dimensions			Access Doors	Clear Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters	
	Width	Height	Length	Width	Height	Length		Width	Height	Qty	Type			Dia.	HP	Int.	Exh.
ECC-14-09-26-N-SB-S	14'-0"	9'-0"	26'-0"*	14'-6.5"	10'-0"	26'-4"	1	9'-4"	8'-10.5"	1	Filtered	10	12,600	30"	3HP	20	16
ECC-14-09-28-N-SB-S	14'-0"	9'-0"	28'-0"*	14'-6.5"	10'-0"	28'-4"	1	9'-4"	8'-10.5"	1	Filtered	10	12,600	30"	3HP	20	16
ECC-14-09-30-N-SB-S	14'-0"	9'-0"	30'-0"*	14'-6.5"	10'-0"	30'-4"	1	9'-4"	8'-10.5"	1	Filtered	10	12,600	30"	3HP	20	16
Reference Key	**A**	**B**	**C***					**D**	**E**								

Alternative Configuration: Reverse Flow (RF)   Drive Through (DT)
Alternative Options: Pressurized (P)

*Actual working depth is 18 inches less than interior length
Standard length sizing is illustrated above

End view @ Chamber

14 GA. Galv. 3" Width Support Steel Style

Plan View

End view from bay end

Booth Side View

Col-Met Engineered Finishing Solutions
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Follow Us:

EZ Modified Downdraft

- **Heavy Duty Bolted Construction**
- **Easy to Install and Operate**
- **Easy to Pressurize**
- **Simple to Maintain**
- **Available for Quick Ship**
- **ETL Certification Available**
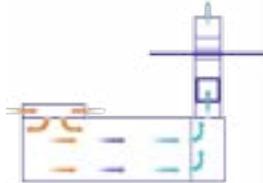
Col-Met's EZ product line was developed to provide fast availability and simple installation. Providing a cleaner and healthier work place, Col-Met's EZ Modified Downdraft spray booths allow for easy maintenance and pressurization. The booth intakes fresh air from the cleaner upper levels of the shop 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. An optional pre-filtered plenum for additional intake air filtration is also available. The basic modified downdraft design allows for easy pressurization with the addition of an intake plenum with fan or a heated air make up unit.

The EZ Modified Downdraft booths are offered in solid back or drive through configurations as well as pressurized, non-pressurized and pre-filtered.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product Doors are field located on slotted hinges to facilitate adjustment on 2-axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into a pre-assembled heavy frame.

>> **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).

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

>> **ETL-Listed** With Purchase of Optional Control Panel

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> Pre-filtered plenum for additional intake air filtration
>> Durable powder coated white option available
>> Roll-Up, Bifold or Trifold Doors
>> Control panel and other electrical components can be purchased separately

UL & ETL listed control panel

Industry-leading light levels

Windowed personnel access doors

5/16" bolts with serrated lock nut

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.
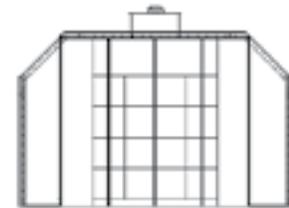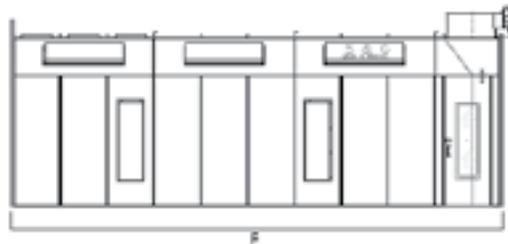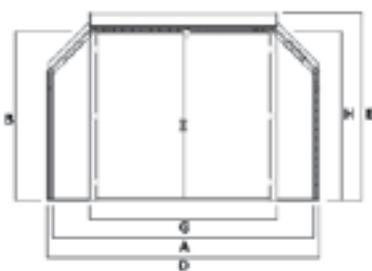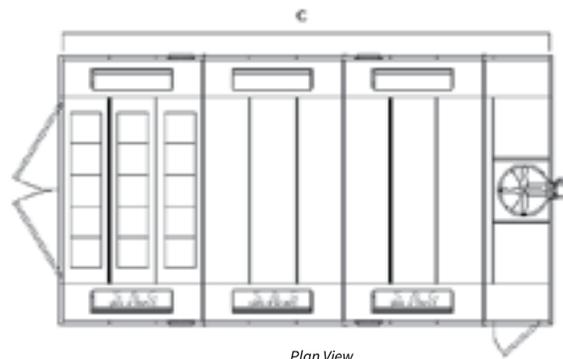
Model Number	Interior Dimensions			Exterior Dimensions			Access Doors	Clear Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters	
	Width	Height	Length	Width	Height	Length		Width	Height	Qty	Type			Dia.	HP	Int.	Exh.
EMD-14-09-26-N-SB-S	14'-0"	9'-0"	26'-0"*	14'-6.5"	10'-0"	26'-4"	1	9'-4"	8'-10.5"	1	Solid	10	12,600	30"	3HP	15	16
EMD-14-09-28-N-SB-S	14'-0"	9'-0"	28'-0"*	14'-6.5"	10'-0"	28'-4"	1	9'-4"	8'-10.5"	1	Solid	10	12,600	30"	3HP	15	16
EMD-14-09-30-N-SB-S	14'-0"	9'-0"	30'-0"*	14'-6.5"	10'-0"	30'-4"	1	9'-4"	8'-10.5"	1	Solid	10	12,600	30"	3HP	15	16
Reference Key	A	B	C	D	E	F		G	H								

Alternative Configuration: Reverse Flow (RF) Drive Through (DT)

Alternative Options: Pressurized (P) Pre-Filtered (F)

*Actual working depth is 18 inches less than interior length

Standard length sizing is illustrated above

Plan View

14 GA. Galv. 3" Width Support Steel Style

End view from bay end

Booth Side View

End view @ Chamber

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Follow Us:

EZ Side Downdraft

- **Heavy Duty Bolted Construction**
- **Easy to Install and Operate**
- **Simple to Maintain**
- **Economical**
- **ETL Certification Available**
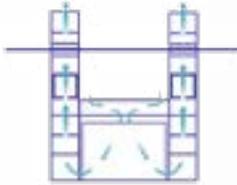
Col-Met's EZ product line was developed to provide fast availability and simple installation. A more economical solution for shops that are unable to install a pit, Col-Met's EZ Side Downdraft spray booths intake air from the cleaner upper levels of the shop through a filtered booth ceiling. The filtered air is drawn down and away from the product through exhaust filters at the floor level, along both sides. This provides efficient overspray control that reduces prep time and also provides a much healthier work place environment. EZ Side Downdraft booths can also be purchased with a pre-filtered plenum or with a pressurized intake plenum and can be equipped with an air replacement unit and cure cycle to meet your requirements.

The EZ Side Downdraft booths are offered in solid back or drive through configurations as well as pressurized and non-pressurized.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

>> **ETL-Listed** With Purchase of Optional Control Panel

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> Pre-filtered plenum for additional intake air filtration
>> Durable powder coated white option available
>> Roll-up, bifold or trifold doors
>> Control panel and other electrical components can be purchased separately
>> Exhaust ductwork
>> Solid back or drive through
>> Pressurized or non-pressurized
>> Double wall insulated

UL & ETL listed control panel

Industry-leading light levels

Windowed personnel access doors

5/16" bolts with serrated lock nut
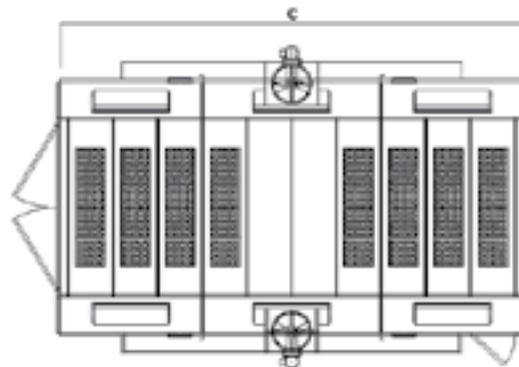
Selecting a Booth Size

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.

Model Number	Interior Dimensions			Exterior Dimensions			Access Doors	Clear Door Opening				Qty. Lights	Air Flow SCFM	Fan Spec.		Filters	
	Width	Height	Length	Width	Height	Length		Width	Height	Qty	Type			Dia.	HP	Int.	Exh.
ESD-14-09-26-N-SB-S	14'-0"	9'-0"	26'-0"	16'-4"	10'-0"	26'-4"	1	9'-4"	8'-10.5"	1	Solid	10	12,740	(2) 24"	2HP	32	20
Reference Key	A	B	C	D	E	F		G	H								

Alternative Configuration: Drive Through (DT)   *Standard length sizing is illustrated above*
Alternative Options: Pressurized (P)   Pre-Filtered (PF)
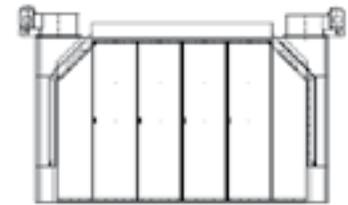

Plan view

End view from bay end
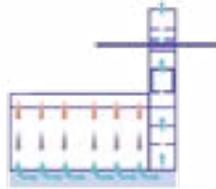

Booth side view

End view @ chamber

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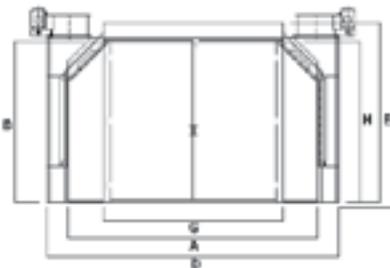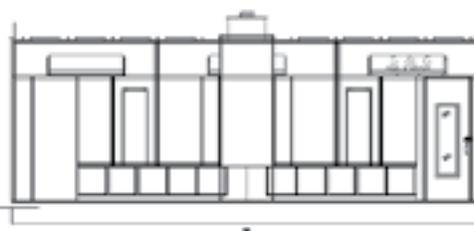
EZ Pit Downdraft

- **Heavy Duty Bolted Construction**
- **Easy to Install and Operate**
- **Easy to Pressurize**
- **Simple to Maintain**
- **ETL Certification Available**

Col-Met's EZ product line was developed to provide fast availability and simple installation. Widely used for automotive applications, Col-Met's EZ Pit Downdraft spray booths allow for easy maintenance and pressurization. Through a filtered booth ceiling the booth intakes fresh air from the cleaner upper levels of the shop. The filtered air is drawn down and away from the product through exhaust filters in the pit located in the floor. This provides efficient overspray control that reduces prep time and also provides a much healthier workplace environment.

The EZ Pit Downdraft booths are offered in solid back or drive through configurations as well as with a pre-filtered or pressurized intake plenum.

Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.

>> **Industry-Leading Lighting**Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> Pre-filtered plenum for additional intake air filtration
>> Optional above ground basement exhaust plenum
>> Durable powder coated white option available
>> Roll-up, bifold or trifold Doors
>> Solid back or drive through configurations
>> Double wall insulated
>> Control panel and other electrical components can be purchased separately

UL & ETL listed control panel

Industry-leading light levels

Windowed personnel access doors

5/16" bolts with serrated lock nut

EZ Pit Downdraft

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.

| Model Number | Interior Dimensions | | | Exterior Dimensions | | | Access Doors | Clear Door Opening | | | | Qty. Lights | Air Flow SCFM | Fan Spec. | | Filters | |
	Width	Height	Length	Width	Height	Length		Width	Height	Qty	Type			Dia.	HP	Int.	Exh.
EPD-14-09-26-N-SB-S	14'-0"	9'-0"	26'-0"	14'-10.5"	10'-0"	26'-4"	1	9'-4"	8'-10.5"	1	Solid	10	12,740	30"	3HP	32	24
Reference Key	A	B	C	D				E	F								

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

Standard length sizing is illustrated above

Plan View

Side Elevation

End view

Col-Met Engineered Finishing Solutions
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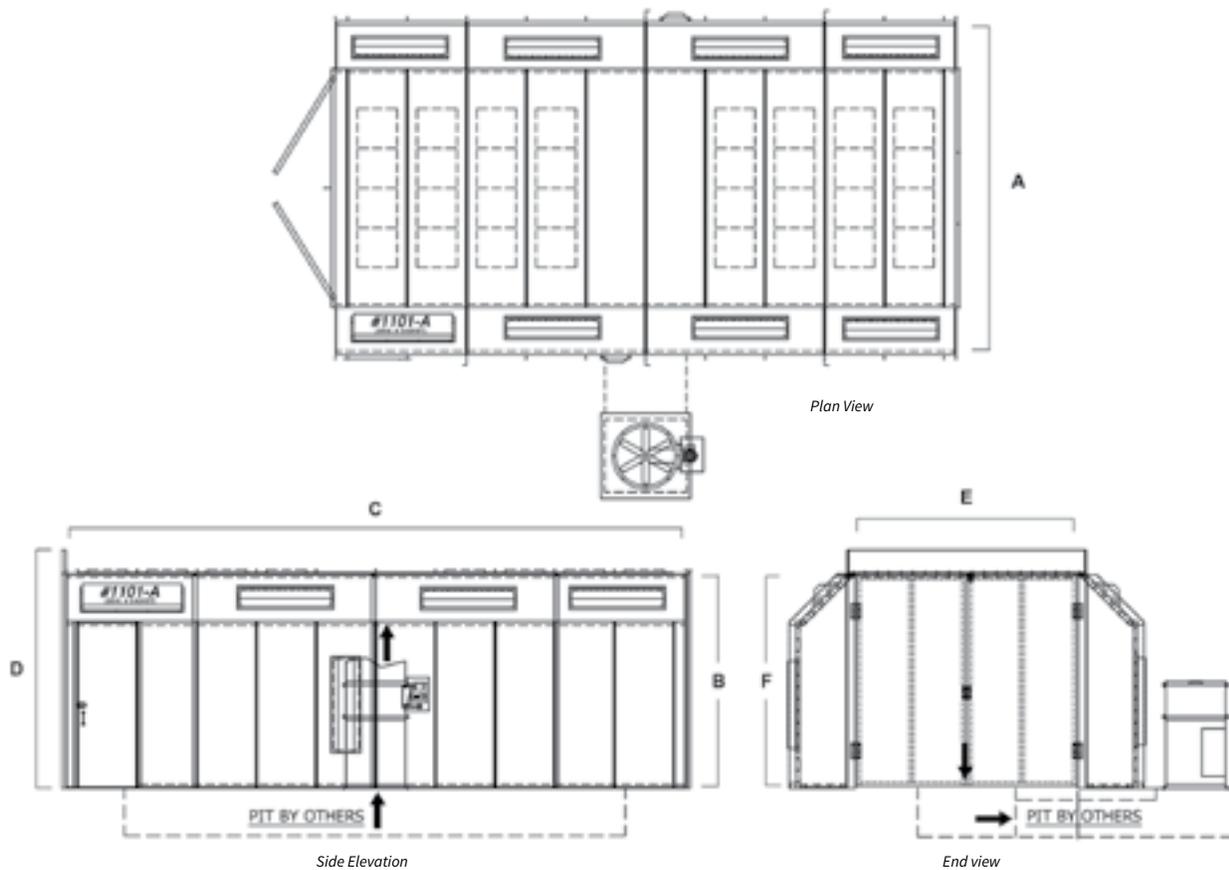
Exhaust Chambers

- ■ **Heavy Duty Construction**
- ■ **Modular Design Allows for Conversion to Paint Booth**
- ■ **Easy to Install**

Industrial exhaust chambers designed by Col-Met remove harmful vapors and fumes with efficiency and expediency. With a wide range of design configurations, our exhaust chambers can accommodate the majority of production requirements. The dry arrestor filters trap the airborne overspray particles before the filtered air is discharged through the exhaust system and into the atmosphere. Air replacement units and intake chambers can be added as well as reduced airflows for automatic spray operations.

Features

>> **Heavy Duty Construction** Chambers are constructed from 18-gauge, prime quality galvanized steel. Structural steel is used to add strength and rigidity as necessary. Control panel is optional, fire control systems are to be supplied by others.

>> **Tubeaxial Exhaust Fan** Designed specifically for use in paint spray exhaust chambers, powers the airflow through the booth and exhaust stack. All exhaust fans are of non-sparking construction.

>> **Efficient Motors** The motor drive and bearings are sealed from the air stream of the exhaust. Motors are provided with each unit. Optional explosion-proof motor upgrade is required for flammable painting environments.

>> **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 with all applicable OSHA and NFPA regulations.

Options

>> Air replacement units and intake chambers can be added
>> 2-Stage filtration, 3-stage filtration, NESHAP filtration
>> Reduced airflows for automatic spray operations
>> Control panel and other electrical components can be purchased separately
>> Explosion-proof motor upgrade

Exhaust Benches

Col-Met's exhaust benches provide a very practical method for removing hazardous and contaminated air generated by refinish, repair and other shop-related operations.

Features

>> **Compact Design** Saves valuable floor space
>> **Heavy Duty Construction Bench** Fabricated with 18-gauge galvanized steel panels
>> **Promotes Shop Safety** Exhausts harmful vapors and dust reducing health hazards for shop personnel
>> **Optional Explosion-Proof Motor Upgrade** Required for flammable painting environments
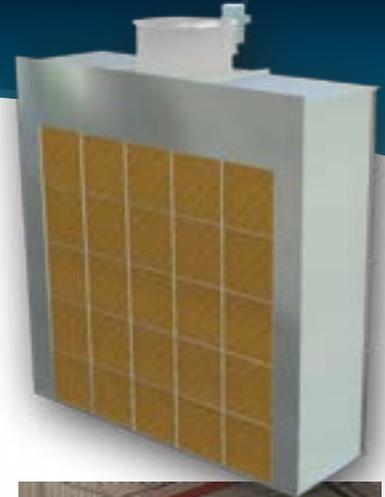
Exhaust Chambers

Exhaust Chamber

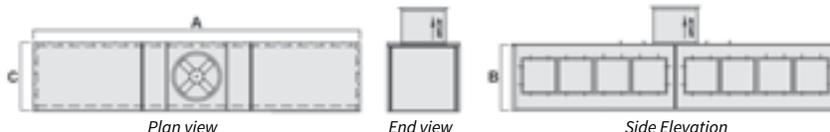| Model Number	Exterior Dimensions			Qty. Filters	Fan Diameter	Fan HP	SCFM @ 1/2" SP
	Width	Height	Length				
IBC-04-07-00-00-S	4'-4"	7'-2"	2'-2"	8	18"	.75HP	3,500
IBC-06-07-00-00-S	6'-4"	7'-2"	2'-8"	12	24"	1HP	5,250
IBC-08-07-00-00-S	8'-4"	7'-2"	2'-8"	16	24"	2HP	7,000
IBC-10-07-00-00-S	10'-4"	7'-2"	3'-2"	20	30"	2HP	8,750
IBC-12-07-00-00-S	12'-4"	7'-2"	3'-2"	24	30"	3HP	10,500
IBC-14-07-00-00-S	14'-4"	7'-2"	3'-6"	32	30"	3HP	12,250
IBC-16-07-00-00-S	16'-4"	7'-2"	3'-6"	36	30"	5HP	14,000
IBC-18-07-00-00-S	18'-4"	7'-2"	4'-6"	40	36"	5HP	15,750
IBC-20-07-00-00-S	20'-4"	7'-2"	4'-6"	44	36"	5HP	17,500
IBC-04-08-00-00-S	4'-4"	8'-2"	2'-2"	8	18"	1HP	4,000
IBC-06-08-00-00-S	6'-4"	8'-2"	2'-8"	12	24"	1.5HP	6,000
IBC-08-08-00-00-S	8'-4"	8'-2"	2'-8"	16	24"	3HP	8,000
IBC-10-08-00-00-S	10'-4"	8'-2"	3'-2"	20	30"	3HP	10,000
IBC-12-08-00-00-S	12'-4"	8'-2"	3'-2"	24	30"	3HP	12,000
IBC-14-08-00-00-S	14'-4"	8'-2"	3'-6"	32	30"	5HP	14,000
IBC-16-08-00-00-S	16'-4"	8'-2"	4'-6"	36	36"	5HP	16,000
IBC-18-08-00-00-S	18'-4"	8'-2"	4'-6"	40	36"	5HP	18,000
IBC-20-08-00-00-S	20'-4"	8'-2"	4'-6"	44	42"	5HP	20,000
IBC-04-10-00-00-S	4'-4"	10'-2"	2'-2"	10	18"	1.5HP	5,000
IBC-06-10-00-00-S	6'-4"	10'-2"	2'-8"	15	24"	2HP	7,500
IBC-08-10-00-00-S	8'-4"	10'-2"	3'-2"	20	30"	3HP	10,000
IBC-10-10-00-00-S	10'-4"	10'-2"	3'-2"	25	30"	3HP	12,500
IBC-12-10-00-00-S	12'-4"	10'-2"	3'-2"	30	30"	5HP	15,000
IBC-14-10-00-00-S	14'-4"	10'-2"	4'-6"	40	36"	5HP	17,500
IBC-16-10-00-00-S	16'-4"	10'-2"	4'-6"	45	42"	5HP	20,000
IBC-18-10-00-00-S	18'-4"	10'-2"	4'-6"	50	42"	5HP	22,500
IBC-20-10-00-00-S	20'-4"	10'-2"	4'-6"	55	42"	7.5HP	25,000
IBC-04-12-00-00-S	4'-4"	12'-2"	2'-8"	12	24"	1.5HP	6,000
IBC-06-12-00-00-S	6'-4"	12'-2"	2'-8"	18	24"	3HP	9,000
IBC-08-12-00-00-S	8'-4"	12'-2"	3'-2"	24	30"	3HP	12,000
IBC-10-12-00-00-S	10'-4"	12'-2"	3'-2"	30	30"	5HP	15,000
IBC-12-12-00-00-S	12'-4"	12'-2"	4'-2"	36	36"	5HP	18,000
IBC-14-12-00-00-S	14'-4"	12'-2"	4'-6"	48	42"	5HP	21,000
IBC-16-12-00-00-S	16'-4"	12'-2"	4'-6"	54	42"	7.5HP	24,000
IBC-18-12-00-00-S	18'-4"	12'-2"	4'-6"	60	42"	7.5HP	27,000
IBC-20-12-00-00-S	20'-4"	12'-2"	4'-6"	66	42"	10HP	30,000

Exhaust Bench

Model Number	Exterior Dimensions			CFM @ 1/2" SP	Fan Diameter	Fan HP	Filters Exhaust	Manometer
	Width	Height	Length					
EB-12-S	12'-0"	3'-2"	2'-4"	5,000	18"	1.5HP	7	Yes
EB-15-S	15'-0"	3'-2"	2'-4"	5,000	18"	1.5HP	8	Yes
Reference Key	A	B	C					

Plan view   End view   Side Elevation

Col-Met Engineered Finishing Solutions
2975 Discovery Blvd. Rockwall, TX 75032 **Toll-Free** 888-452-6684 **eFax** (972)-408-0854 **Email** sales@colmetsb.com **www.colmetsb.com**

Follow Us:

Paint Mixing Room

- **Easy to Install**
- **Easy to Operate**
- **Simple to Maintain**
- **Available to Quick Ship**

Col-Met's product line was developed to provide fast availability and simple installation. Easy to maintain and operate, our Paint Mix Rooms provide a controlled area for safely mixing paint.

Air flows in through the filtered air intake, which is located in the ceiling toward one end of the room. It moves downward through the work area and into the exhaust chamber located in the lower opposite end of the room. Filtered exhaust is drawn through the exhaust plenum and is discharged upward into the atmosphere through the exhaust stack.

Features

>> **Heavy Duty Construction** Wall panels constructed from 18-gauge, prime quality galvanized steel. All panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Personnel access doors are pre-hung in a heavy gauge galvanized steel frame for easy installation

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand name tubeaxial fans and motors

>> **Meets Quality Performance Standards** Meets and/or exceeds with all applicable OSHA & NFPA regulations.

Options

>> LED lighting
>> Control panel and other electrical components can be purchased separately
>> ETL listed when optional control panel is added
>> Durable powder coated white option available
>> Double Doors

UL & ETL listed control panel

Industry-leading light levels

Windowed personnel access doors

5/16" bolts with serrated lock nut

Model Number	Interior Dimensions			Exterior Dimensions			Access Doors	Qty. Lights	Air Flow SCFM	Fan Spec.		Filters	
	Width	Height	Length	Width	Height	Length				Dia.	HP	Int.	Exh.
PMR-08-08-08-00-S	8'-0"	8'-0"	8'-0"	8'-4"	8'-2"	10'-6"	1 with window	1	1,450	12"	3/4 HP	4	2
PMR-08-08-10-00-S	8'-0"	8'-0"	10'-0"	8'-4"	8'-2"	12'-6"	1 with window	2	1,450	12"	3/4 HP	4	2
PMR-08-08-12-00-S	8'-0"	8'-0"	12'-0"	8'-4"	8'-2"	14'-6"	1 with window	2	1,450	12"	3/4 HP	4	2
PMR-08-08-15-00-S	8'-0"	8'-0"	15'-0"	8'-4"	8'-2"	17'-6"	1 with window	3	1,450	12"	3/4 HP	4	2
PMR-10-08-15-00-S	10'-0"	8'-0"	15'-0"	10'-8"	8'-2"	17'-6"	1 with window	3	1,450	12"	3/4 HP	4	2
Ref. Key	**A**	**B**	**C**		**D**								

Plan view

End view

Side Elevation

End view

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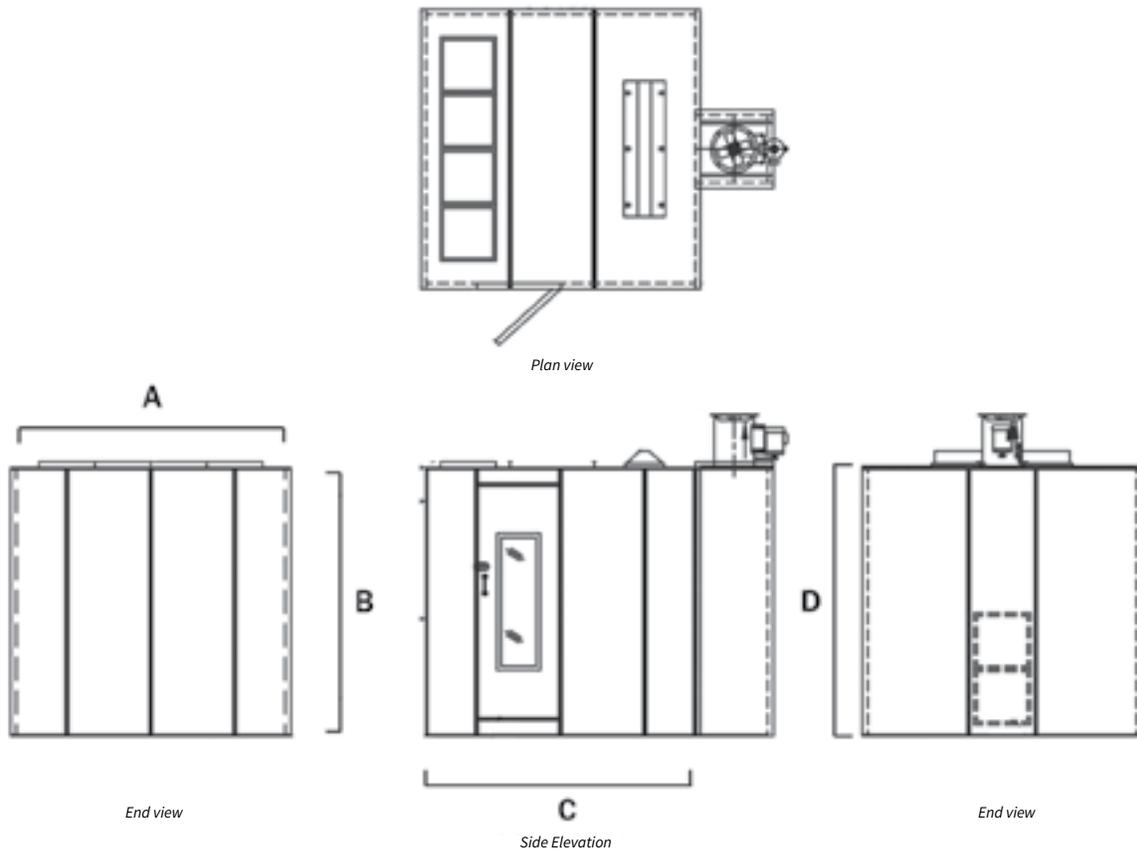
Truck & Large Equipment

Crossdraft Spray Booths

COL-MET
Engineered Finishing Solutions

■ **Heavy Duty Bolted Construction**
■ **Angled Top Lighting**
■ **Available in a Wide Range of Designs to Meet Any Production Requirement**
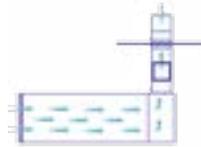
Crossdraft booths, the simplest configuration, are efficient, economical and best suited for coating industrial/large equipment, truck and wood applications. Col-Met's Crossdraft spray booths intake fresh air through filters in the product doors. The clean, filtered air is drawn through the booth and exhausted through a filter system at the opposite end.

Available in Standard Duty (10-guage support structure), Heavy Duty (W6x9 structure), and Xtreme Duty (I-Beam construction with trusses), crossdraft booths are offered in solid back, drive through, and reverse flow designs as well as pressurized and non-pressurized.

Standard Duty Crossdraft

Heavy Duty Crossdraft

Crossdraft Interior

Booth Features

>> **Heavy Duty Construction** All designs create a bolt free booth interior and panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulb are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

	Standard Duty	Heavy Duty	Xtreme Duty
14'-20' Width	Yes	Yes	Yes
> 20' Width	No	No	Yes
26'-64' Length	Yes	Yes	Yes
> 64' Length	No	No	Yes
Increments in Length	2'	2'	Custom
Support for Booth Mounted AMU	No	Yes	Yes
Support for Conveyor or Crane Slot	No	No	Yes
Support for Man Lifts	No	No	Yes
Complies with OSHA and NFPA Regs	Yes	Yes	Yes
Construction	10-Gauge	W6x9 Beam	I-Beam

Booth Options

>> LED lighting

>> Air replacement units and intake chambers can be added

>> 2-Stage filtration, 3-stage filtration, NESHAP filtration

>> Durable powder coated white option available

>> Control panel and other electrical components can be purchased separately

>> Optional UL/ETL listed control panel with or without VFD

>> Height, width and depth can be custom designed to meet specific requirements

>> Roll-up, bifold or trifold doors
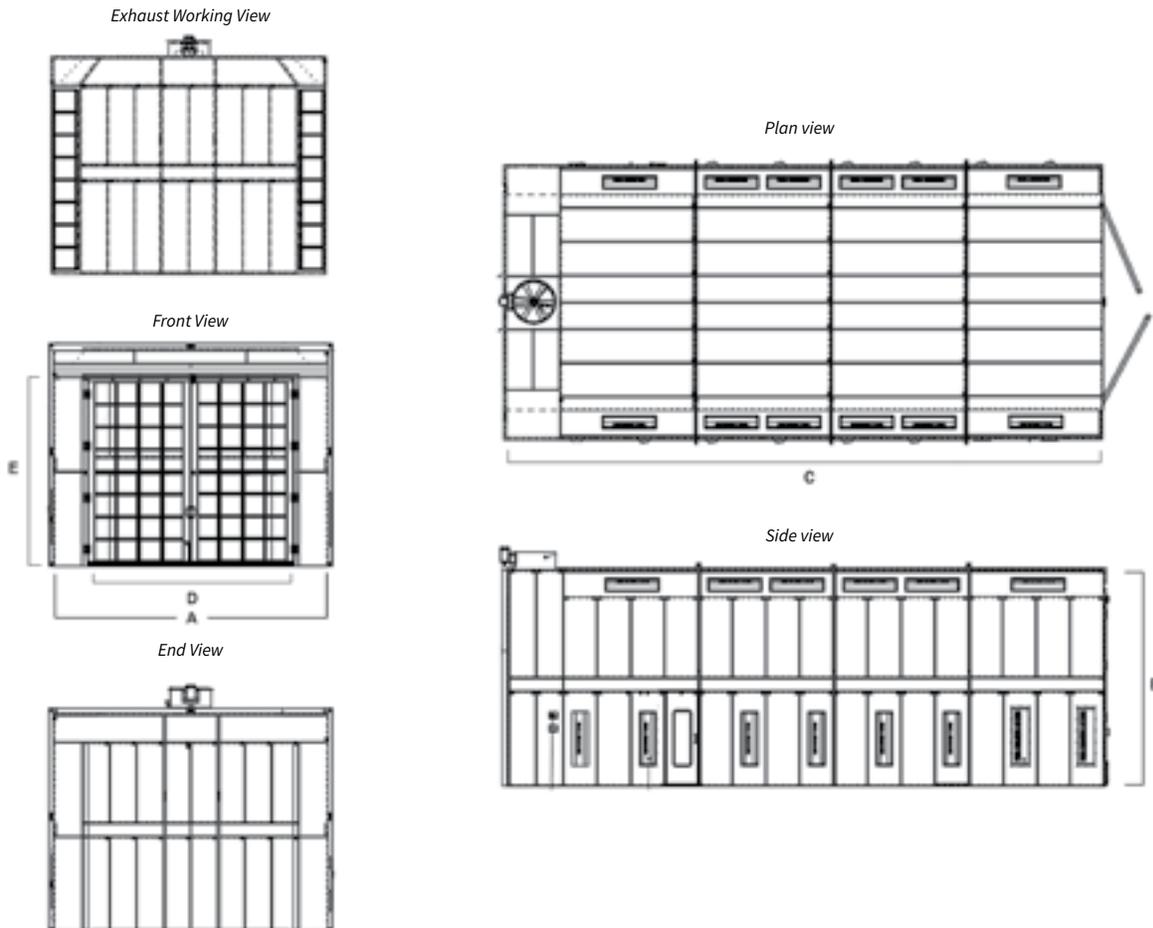
COL-MET
Engineered Finishing Solutions

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.

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	Int.	Ext.
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	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	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	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	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	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	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	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	48
Sizing Option Ranges		14-20*	12-20*	^													
Reference Key		**A**	**B**	**C**				**D**	**E**								

Alternative Configuration: Reverse Flow (RF)   Drive Through (DT)
Alternative Options: Pressurized (P)

*Standard sizing of width and height are in increments of 2 ft.
^ Standard length sizing is illustrated above

Exhaust Working View

Plan view

Front View

Side view

End View

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Modified Downdraft Spray Booths

COL-MET
Engineered Finishing Solutions

- **Heavy Duty Bolted Construction**
- **Angled Top Lighting**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

Offering a clean and healthy work place, modified downdraft spray booths allow for easy pressurization with the addition of an intake plenum with fan or a heated air makeup unit. The modified downdraft intakes 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 other end, and is optionally equipped with a pre-filter plenum for additional intake air filtration.

Available in Standard Duty (10-guage support structure), Heavy Duty (W6x9 structure), and Xtreme Duty (I-Beam construction with trusses), modified downdraft booths are offered in solid back, drive through, and reverse flow designs as well as pressurized and non-pressurized.

Modified Downdraft

Modified Downdraft Interior

Booth Features

- **>> Heavy Duty Construction** All designs create a bolt free booth interior and panels and support members are precision punched for easy nut and bolt assembly.
- **>> Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.
- **>> Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.
- **>> Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors
- **>> 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.

Booth Options

- >> LED lighting
- >> Air replacement units and intake chambers can be added
- >> 2-Stage filtration, 3-stage filtration, NESHAP filtration
- >> Durable powder coated white option available
- >> Control panel and other electrical components can be purchased separately
- >> Optional UL/ETL listed control panel with or without VFD
- >> Roll-up, bifold or trifold doors
- >> Height, width and depth can be custom designed to meet specific requirements

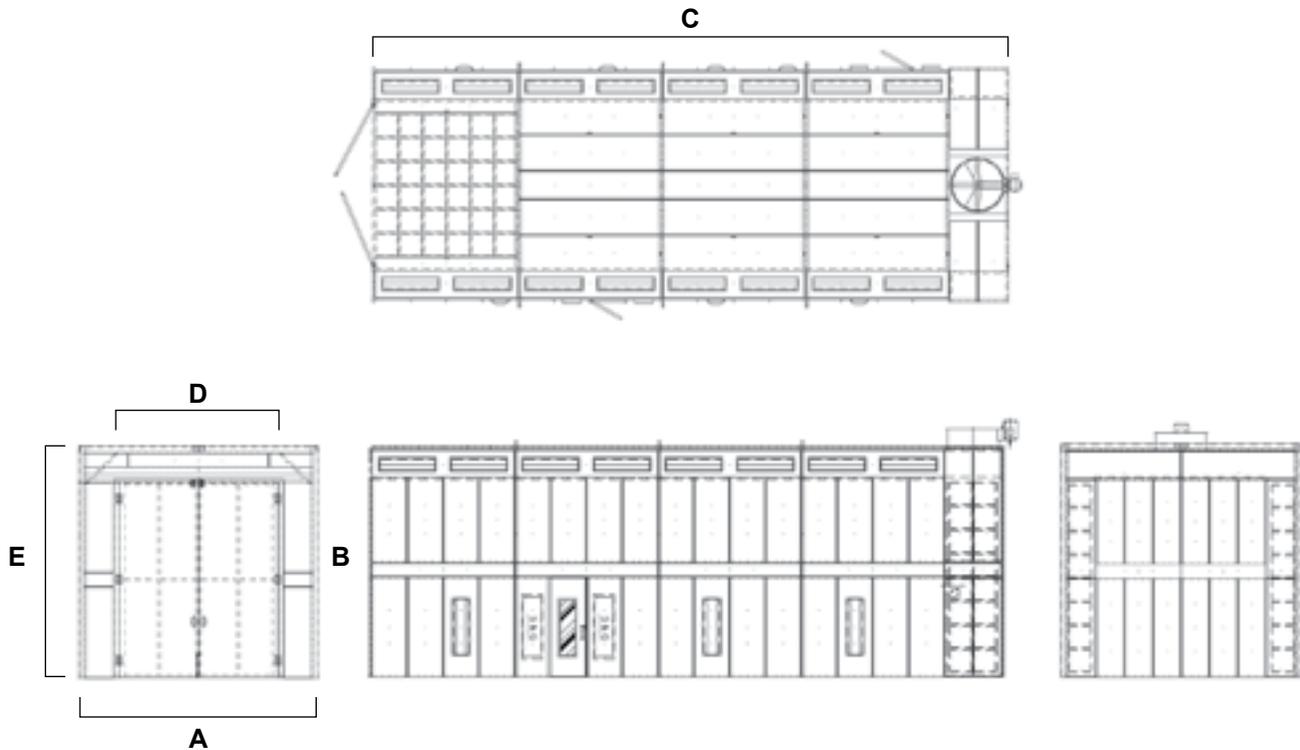|	Standard Duty	Heavy Duty	Xtreme Duty
14'-20' Width	Yes	Yes	Yes
> 20' Width	No	No	Yes
26'-64' Length	Yes	Yes	Yes
> 64' Length	No	No	Yes
Increments in Length	2'	2'	Custom
Support for Booth Mounted AMU	No	Yes	Yes
Support for Conveyor or Crane Slot	No	No	Yes
Support for Man Lifts	No	No	Yes
Complies with OSHA and NFPA Regs	Yes	Yes	Yes
Construction	10-Gauge	W6x9 Beam	I-Beam

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.

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	Int.	Ext.
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	48
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	48
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	48
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	48
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	48
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	48
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	48
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	48
Sizing Option Ranges		14-20*	12-20*	^													
Reference Key		**A**	**E**	**C**				**D**	**B**								

Alternative Configuration: Reverse Flow (RF)   Drive Through (DT)
Alternative Options: Pressurized (P)

*Standard sizing of width and height are in increments of 2 ft.
^ Standard length sizing is illustrated above

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Side Downdraft Spray Booths

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- **Heavy Duty Bolted Construction**
- **Angled Top Lighting**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**
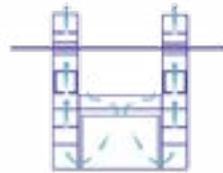
A more economical solution for shops that are unable to install a pit, side downdraft spray booths intake fresh air from the cleaner upper levels of the shop through a filtered booth ceiling. The filtered air is drawn down and away from the product through exhaust filters at the floor level along both sides. This provides efficient overspray control that reduces prep time while also delivering a healthier work place environment. The side downdraft booths can also be purchased with a pre-filtered plenum or a pressurized intake plenum and can be equipped with an air replacement unit and cure cycle to meet your requirements.

Available in Standard Duty (10-guage support structure), Heavy Duty (W6x9 structure), and Xtreme Duty (I-Beam construction with trusses), side downdraft booths are offered in solid back, drive through, and reverse flow designs as well as pressurized and non-pressurized.

Heavy Duty Side Downdraft Interior

Standard Duty Side Downdraft

Booth Features

- **Heavy Duty Construction** All designs create a bolt free booth interior and panels and support members are precision punched for easy nut and bolt assembly.
- **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.
- **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.
- **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors
- **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.

	Standard Duty	Heavy Duty	Xtreme Duty
14'-20' Width	Yes	Yes	Yes
> 20' Width	No	No	Yes
26'-64' Length	Yes	Yes	Yes
> 64' Length	No	No	Yes
Increments in Length	2'	2'	Custom
Support for Booth Mounted AMU	No	Yes	Yes
Support for Conveyor or Crane Slot	No	No	Yes
Support for Man Lifts	No	No	Yes
Complies with OSHA and NFPA Regs	Yes	Yes	Yes
Construction	10-Gauge	W6x9 Beam	I-Beam

Booth Options

- LED lighting
- Air replacement units and intake chambers can be added
- v 2-Stage filtration, 3-stage filtration, NESHAP filtration
- Pre-filtered plenum for additional intake air filteration
- Durable powder coated white option available
- Control panel and other electrical components can be purchased separately
- Optional UL/ETL listed control panel with or without VFD
- Roll-up, bifold or trifold doors
- Height, width and depth can be custom designed to meet specific requirements
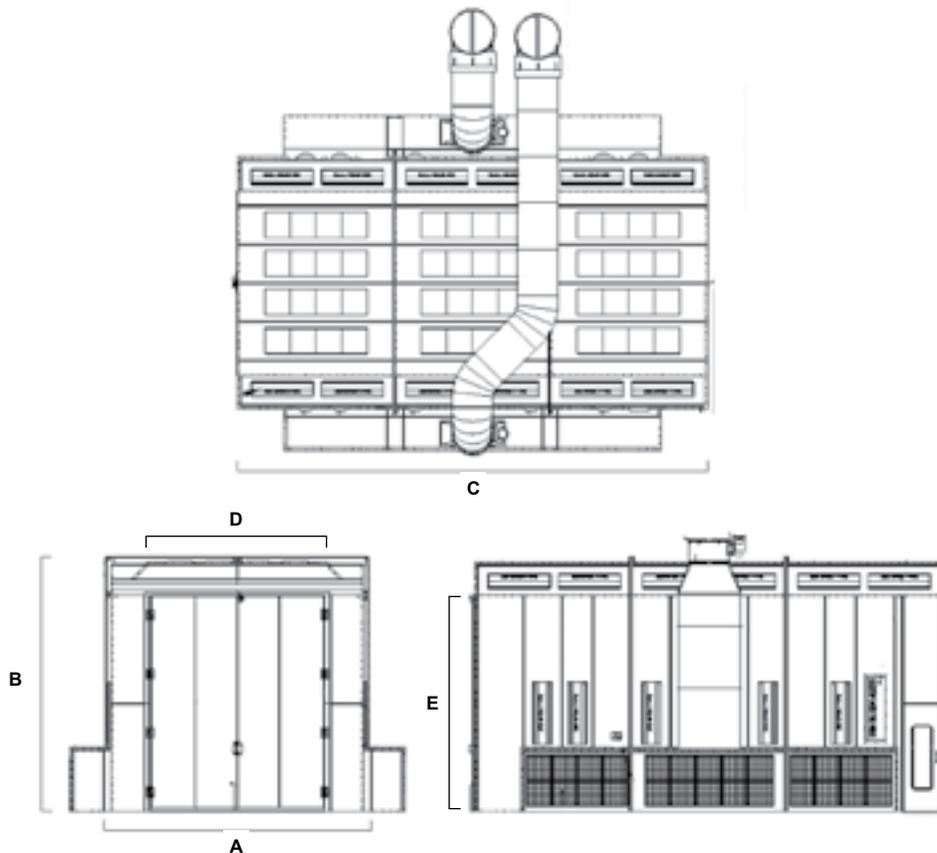
Selecting a Booth Size

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.

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	Int.	Ext.
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	30
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	32
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	36
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	46
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	58
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	70
Sizing Option Ranges		14-20*	12-20*	^													
Reference Key		**A**	**B**	**C**				**D**	**E**								

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

*Standard sizing of width and height are in increments of 2 ft.
^ Standard length sizing is illustrated above

C

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Downdraft Spray Booths

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- **Angled Top Lighting**
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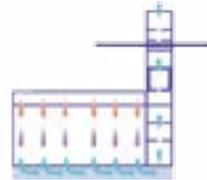
Providing the best airflow style, downdraft booths offer efficient overspray control that reduces prep time and also provides a much healthier workplace environment. Downdraft booths take in fresh air from the cleaner upper levels of the shop through a filtered booth ceiling. The filtered air is drawn down and away from the product into the filtered exhaust pit located in the floor. This booth can be purchased with a pre-filtered plenum or with a pressurized intake plenum. It can also be equipped with an air replacement unit and cure cycle to meet your requirements.

Available in Standard Duty (10-guage support structure), Heavy Duty (W6x9 structure), and Xtreme Duty (I-Beam construction with trusses), downdraft booths are offered in solid back, drive through, and reverse flow designs as well as pressurized and non-pressurized. Optional above ground basement exhaust plenum is available for installation without concrete work.

UL & ETL listed control panel

Windowed personnel access doors

Industry-leading light levels

5/16" bolts with serrated lock nut

Booth Features

>> **Heavy Duty Construction** All designs create a bolt free booth interior and panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Product doors are field hung on slotted hinges to facilitate adjustment on two axes for uneven floors. Our standard 36" wide man door, with built in observation window, is built into pre-assembled heavy frame.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** Quality brand-name tubeaxial fans and motors

>> **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.

Booth Options

>> LED lighting
>> Air replacement units and intake chambers can be added
>> 2-Stage filtration, 3-stage filtration, NESHAP filtration
>> Durable powder coated white option available
>> Control panel and other electrical components can be purchased separately
>> Optional UL/ETL listed control panel with or without VFD
>> Roll-up, bifold or trifold doors
>> Height, width and depth can be custom designed to meet specific requirements

	Standard Duty	Heavy Duty	Xtreme Duty
14'-20' Width	Yes	Yes	Yes
> 20' Width	No	No	Yes
26'-64' Length	Yes	Yes	Yes
> 64' Length	No	No	Yes
Increments in Length	2'	2'	Custom
Support for Booth Mounted AMU	No	Yes	Yes
Support for Conveyor or Crane Slot	No	No	Yes
Support for Man Lifts	No	No	Yes
Complies with OSHA and NFPA Regs	Yes	Yes	Yes
Construction	10-Gauge	W6x9 Beam	I-Beam

Downdraft Spray Booths
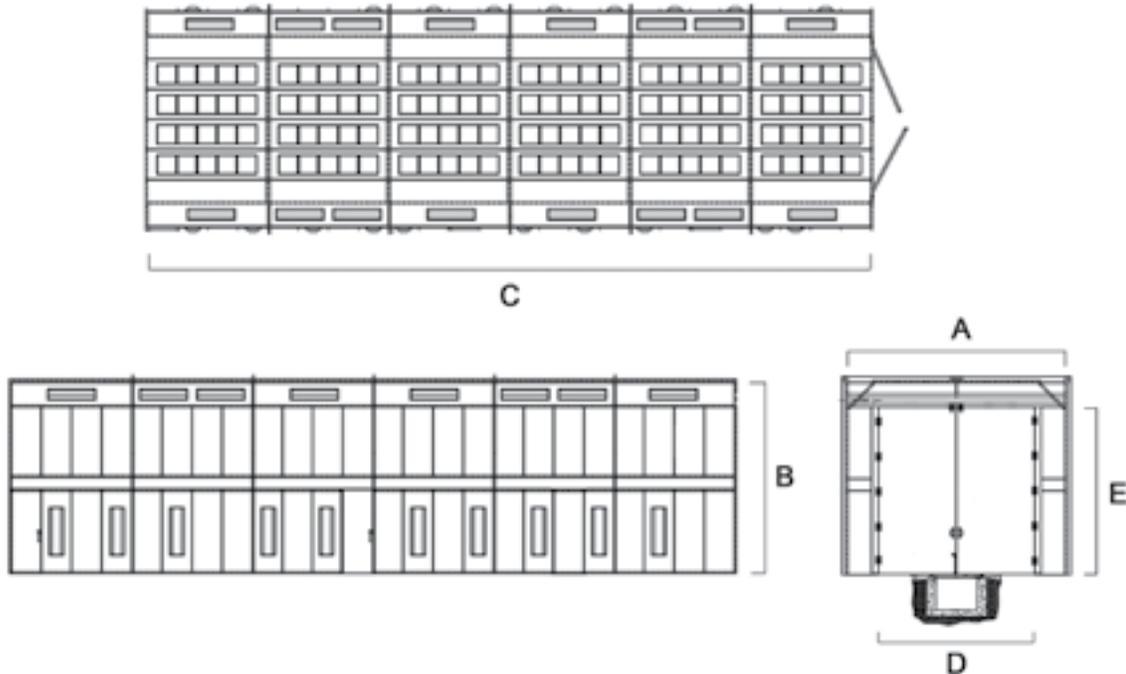
![COL-MET Engineered Finishing Solutions]

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.

| 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	Int.	Ext.
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	26
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	28
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	30
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	40
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	50
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	60
Sizing Option Ranges		14-20*	12-20*	^													
Reference Key		**A**	**B**	**C**				**D**	**E**								

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

*Standard sizing of width and height are in increments of 2 ft.
^ Standard length sizing is illustrated above

Col-Met Engineered Finishing Solutions
2975 Discovery Blvd. Rockwall, TX 75032 **Toll-Free** 888-452-6684 **eFax** (972)-408-0854 **Email** sales@colmetsb.com **www.colmetsb.com**

Follow Us:

Batch Powder Booth

- ■ **Heavy Duty Bolted Construction**
- ■ **Simple to Maintain**
- ■ **Easy to Install**
- ■ **Collect and Contain Over Sprayed Powder**
- ■ **Recirculates Shop Air, No Air Make Up Unit Needed**
- ■ **Available in a Wide Range of Designs to Meet Any Production Requirement**

With an open front design, Col-Met's Batch Powder Booths are perfect for small powder applications. A cost-effective solution, this booth makes efficient use of shop space and is used for large or small parts. With an open face design and a 3-stage filtration system, air is drawn in through the open front of the spray booth, passes through the booth's working area into the filtered exhaust plenum. The air is filtered in three stages and discharged back into the room.
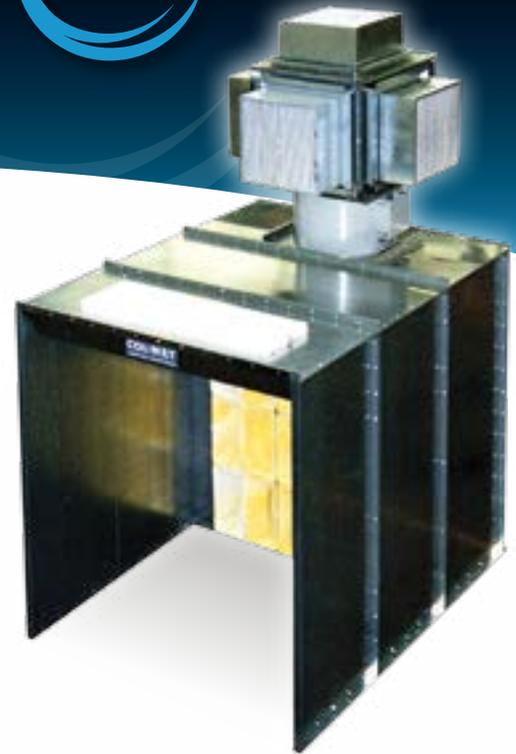
Booth Features

>> **Heavy Duty Construction** Booths are constructed from 18-gauge, prime quality galvanized steel. All panels and support members are precision punched for easy nut and bolt assembly.

>> **3-Stage Filtration System** Extremely effective at catching powder dust; Stage 1: Blanket style filter, Stage 2: Bag style filter, Stage 3: Hepa type filter.

>> **Final Filter Proving Assembly** Ensures filters are installed and functioning properly. Interlocks with the air solenoid valve.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **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.

UL & ETL listed control panel

Industry-leading light levels

Air solenoid valve

Powder exhaust filter proving assembly

5/16" bolts with serrated lock nut

Booth Options

>> LED lighting

>> Control panel and other electrical components can be purchased separately

>> Durable powder coated white option available

>> Conveyor and crane slots/openings available

>> 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.
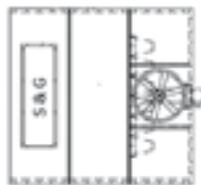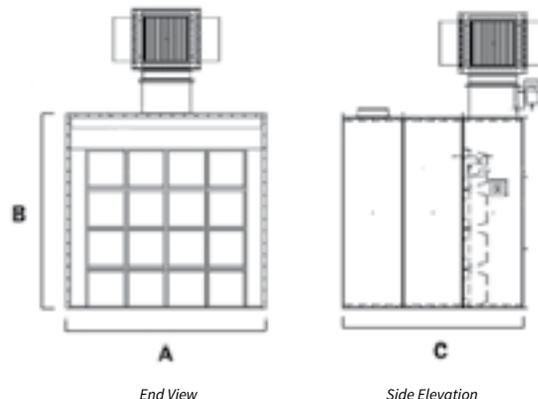
Batch Powder Booth

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.

Model Number	Interior Dimensions			Exterior Dimensions			Total CFM	Fan Specs			Lights S&G
	Width	Height	Length	Width	Height	Length		Qty	Dia.	HP	
PB-04-07-05-00-S	4'-0"	7'-0"	5'-0"	4'-4"	12'-0"	8'-4"	2,800	1	18"	1.5HP	1
PB-06-07-05-00-S	6'-0"	7'-0"	5'-0"	6'-4"	12'-0"	8'-6"	4,200	1	24"	2HP	1
PB-08-07-05-00-S	8'-0"	7'-0"	5'-0"	8'-4"	12'-0"	8'-6"	5,600	1	24"	3HP	1
PB-10-07-05-00-S	10'-0"	7'-0"	5'-0"	10'-4"	12'-0"	9'-0"	7,000	1	30"	3HP	2
PB-12-07-07-00-S	12'-0"	7'-0"	7'-0"	12'-4"	13'-0"	11'-0"	8,400	1	30"	5HP	2
PB-14-07-07-00-S	14'-0"	7'-0"	7'-0"	15'-0"	13'-0"	11'-2"	9,800	1	30"	5HP	2
PB-16-07-07-00-S	16'-0"	7'-0"	7'-0"	17'-0"	12'-0"	10'-8"	11,200	2 (5600CFM)	24"	3HP	2
PB-04-08-05-00-S	4'-0"	8'-0"	5'-0"	4'-4"	13'-0"	8'-4"	3,200	1	18"	2HP	1
PB-06-08-05-00-S	6'-0"	8'-0"	5'-0"	6'-4"	13'-0"	8'-6"	4,800	1	24"	2HP	1
PB-08-08-05-00-S	8'-0"	8'-0"	5'-0"	8'-4"	13'-0"	8'-6"	6,400	1	24"	3HP	1
PB-10-08-05-00-S	10'-0"	8'-0"	5'-0"	10'-2"	14'-0"	9'-0"	8,000	1	30"	5HP	2
PB-12-08-07-00-S	12'-0"	8'-0"	7'-0"	12'-4"	14'-0"	11'-0"	9,600	1	30"	5HP	2
PB-14-08-07-00-S	14'-0"	8'-0"	7'-0"	15'-0"	13'-0"	10'-8"	11,200	2 (5600CFM)	24"	3HP	2
PB-16-08-07-00-S	16'-0"	8'-0"	7'-0"	17'-0"	13'-0"	10'-8"	12,800	2 (6400CFM)	24"	3HP	2
PB-04-10-05-00-S*	4'-0"	10'-0"	5'-0"	4'-4"	15'-0"	8'-6"	4,000	1	24"	2HP	1
PB-06-10-05-00-S*	6'-0"	10'-0"	5'-0"	6'-4"	15'-0"	8'-6"	6,000	1	24"	3HP	1
PB-08-10-05-00-S*	8'-0"	10'-0"	5'-0"	8'-4"	16'-0"	9'-8"	8,000	1	30"	5HP	1
PB-10-10-05-00-S*	10'-0"	10'-0"	5'-0"	10'-4"	15'-0"	8'-6"	10,000	2 (5000CFM)	24"	3HP	2
PB-12-10-07-00-S*	12'-0"	10'-0"	7'-0"	12'-4"	15'-0"	10'-6"	12,000	2 (6000CFM)	24"	3HP	2
PB-14-10-07-00-S*	14'-0"	10'-0"	7'-0"	15'-0"	15'-0"	11'-2"	14,000	2 (7000CFM)	30"	3HP	2
PB-16-10-07-00-S*	16'-0"	10'-0"	7'-0"	17'-0"	16'-0"	11'-2"	16,000	2 (8000CFM)	30"	5HP	2
Reference Key	**A**	**B**	**C**	**D**	**E**	**F**					

Not a standard product. Call customer service for pricing and availability.

Plan View With Filter Box Removed

End View   *Side Elevation*

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Follow Us:

Cartridge Batch Powder Booth

COL-MET
Engineered Finishing Solutions

- **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

Cartridge Batch Powder Booth
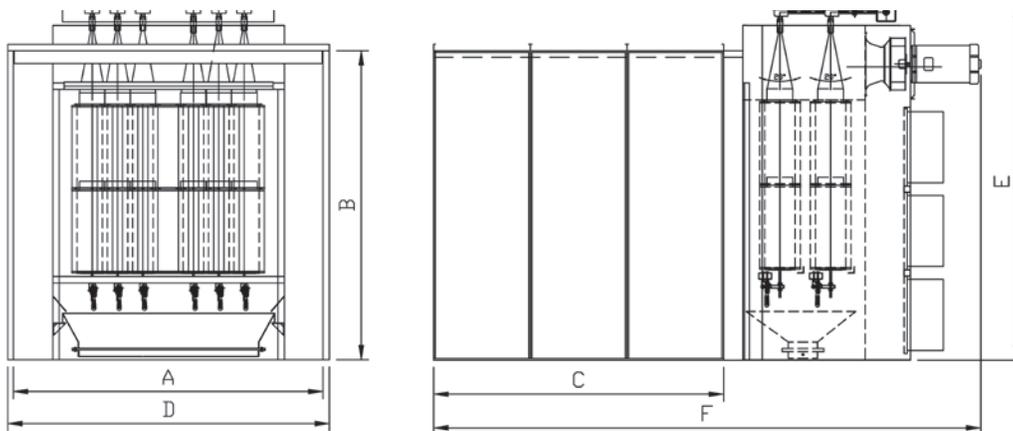
Selecting a Booth Size

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	2 (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**							

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Follow Us:

Pass Through Powder Booth

Shown with stainless steel option & Lexan roof option

- **Designed for Pass Through Part Conveyors**
- **Powder Recovery or Spray-to-Waste Design**
- **Engineered for Automatic or Combined Manual and Automatic Applications**
- **Configured for Easy Color Changes**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

Col-Met's Pass Through Powder Booths are engineered with a conveyor slot providing the ability to powder coat from both sides of the part with automatic or combined manual and automatic coating applications. The booth also features a collector module that can be rolled away for easy color change and has additional modules available for multiple color operations.

Parts enter the booth through conveyor openings, then pass the coating operator stations to receive the coating. The powder overspray is entrained within the air stream moving to the collector module, where the cartridge filters will remove the particulate. The containment air is drawn through the air handler's primary and final filter system before being discharged back into the room. Coated parts exit the booth for conveyance to the cure oven.

Powder Booth With Collector Module

Booth Features

- **>> Heavy Duty Construction** Panels are constructed from 18-gauge, prime quality galvanized steel. Panels are fastened with 5/16-inch bolts with self-locking nuts.
- **>> Collector Module** Draws clean filtered air into the booth and passes it across a high quality primary filter and final filter before recirclating it back into the booth area.
- **>> 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.
- **>> Purge Control** Assures the safe operation of the coatings enclosure, by maintaining airflow at design levels.
- **>> Quality Fans and Motors** Spark-proof construction plug type fan and VFD for variable speed
- **>> Safety Equipment** (1) Air Interlock Solenoid Valve and filter proving switch is provided.
- **>> Meets Quality Performance Standards** Spray booths manufactured by Col-Met meet and/or exceed all applicable OSHA and NFPA regulations.

Control panel and VFD included

Booth Options

- **>>** LED lighting
- **>>** For automatic guns, flame/spark detection can be provided by others (if required)
- **>>** Stainless steel option available
- **>>** Additonal collection modules
- **>>** Durable powder coated white option available

Pass Through Powder Booth

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.

Model Number	Cabin Dimensions I.D.			Part Opening		Operator Access		Total CFM
	Width	Height	Length	Width	Height	Auto	Manual	
EPB-05-08-14-PT-S	5'-0"	8'-0"	14'-0"	3'-0"	6'-0"	2	2	7,000 @ 4.5" SP
EPB-06-08-14-PT-S	6'-0"	8'-0"	14'-0"	4'-0"	6'-0"	2	2	8,000 @ 4.5" SP
EPB-07-08-14-PT-S	7'-0"	8'-0"	14'-0"	5'-0"	6'-0"	2	2	9,000 @ 4.5" SP
Reference Key	A	B	C	D	E			

Plan View

Front Elevation

End view

Follow Us:
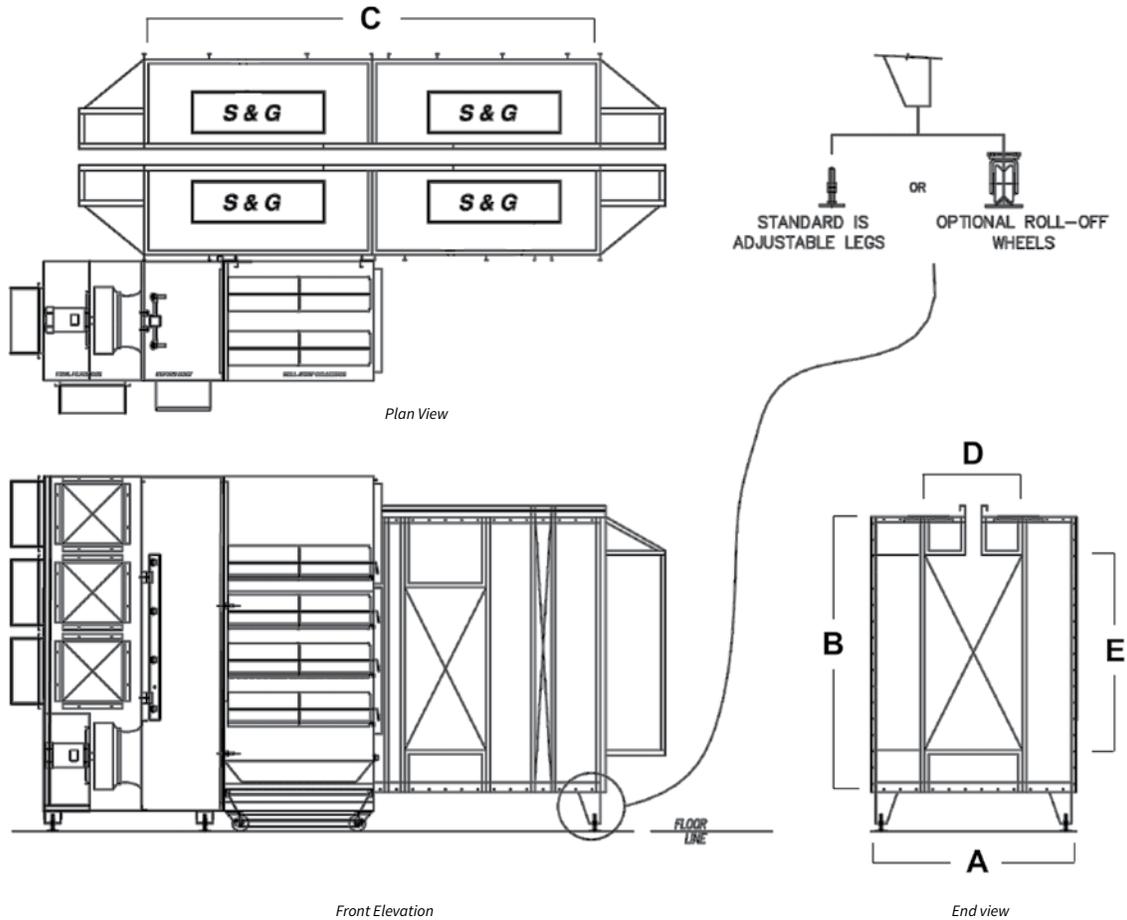
Lab Powder Booth

■ **Heavy Duty Bolted Construction**
■ **Streamlined Modular Design**
■ **Extremely Quiet**
■ **Easy-to-Change Air Tight Filters**

The versatile lab powder booth is engineered for small batch, manual applications and includes a compact plenum design offering a larger work area. Extremely quiet and environmentally friendly, this booth is a perfect solution for operations with limited finishing space.

Booth Features

>> **Heavy Duty Construction** Panels are constructed from 18-gauge, prime quality stainless 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.

>> **Dwyer Purge Control** Assures the safe operation of the coatings enclosure by maintaining 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. The adjustable timer activates a system of air purging valves that clear the cartridge filters of accumulated powder to ensure maximum life.

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **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.

>> **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.

>> **Base Assembly** Rollaway base assembly cabinet and floor support is fabricated with 3" channel steel and formed 10-gauge mild steel (welded construction). The finish will be white powder coating.

>> **Meets Performance Quality Standards** Spray booths manufactured by Col-Met meet and/or exceed all applicable OSHA and NFPA regulations

Control panel and VFD included

Booth Options

>> LED lighting
>> Optional air manifold
>> Touch screen controls
>> Durable powder coated white option 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.

Model Number	Interior Dimensions			Exterior Dimensions			Total CFM	Filters	Fan Spec			Lights S&G
	Width	Height	Length	Width	Height	Length			Qty	Dia	HP	
LPB-05-05-03-00-S	5'-0"	5'-0"	3'-0"	5'-3"	8'-4"	5'-8"	1600	3	1	12 1/4"	3	1
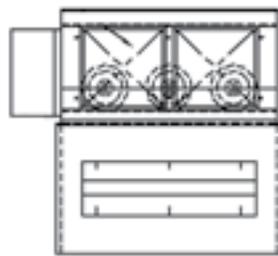
Plan View
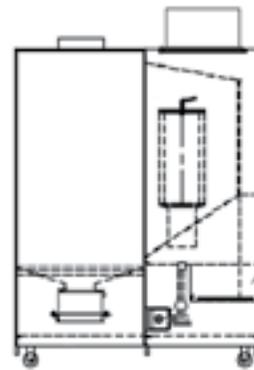
Right Elevation

Front Elevation

Follow Us:
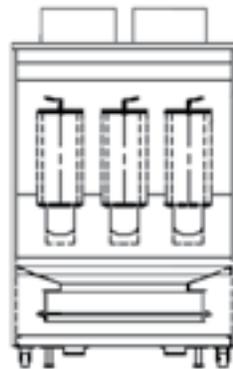
Batch Ovens

Batch ovens are typically used in smaller product runs however can be used for semi high production of smaller parts hung on multi part racks. Used for a powder or liquid application, batch ovens are recommended if floor space is limited and when product sizes, shapes and volumes vary frequently.

Construction & Features
- >> Internal angle iron frames in all models
- >> 20-gauge aluminized steel with 4" insulated panels
- >> Single entry and double entry designs
- >> In house design and fabrication of oven panels and components
- >> Slotted channel design to reduce heat transfer
- >> Explosion relief doors with FM approved latches
- >> Eclipse Version 2 air heat burners
- >> Heater box is factory assembled and tested
- >> Maximum operating temperature of 450F
- >> Factory shop assembled ovens available (up to 8' wide x 8' tall x 20' long)
- >> All Col-Met Batch Ovens comply with applicable OSHA and NFPA standards

Standard Control Panels
- >> 3-Phase main disconnect
- >> UL/cUL/ETL listed controls in a NEMA12 Enclosure
- >> Motor contractors and protectors
- >> Toggle switches for on/off control of fans, burner and batch timer
- >> Analog 1 second to 300 hour batch timer
- >> Digital temperature controller and high temperature limit with rollback protection
- >> FM approved gas train with high pressure, low pressure, and proof of closure safety switches. Includes ventless regulator and dual blocking valve. 2-5 psi recommended gas pressure
- >> Air proving switches for all critical fans
- >> Terminal strip to connect control panel to burner box
- >> UV scanner flame monitoring for reliable start-up
- >> 230V/480V 3-phase 60Hz
- >> Remote located push button HMI panel

Standard Control Panel

Options
- >> Custom oven designs to meet any requirements
- >> Exhaust stack is not included and can be purchased as an option
- >> Plant assembled for easy installation
- >> Smart Touch PLC HMI Control Panel
  - • 6" Touchscreen with four batch modes and troubleshooting capabilities
  - • 1 Second to 16 hour digital batch timer with countdown indication
  - • Digital self-tuning temperature controller and high temperature limit with rollback protection
  - • Control panel prewired to burner box, only field wiring needed is exhaust fan and communication between main panel and touchscreen
  - • Digital password protected purge timer for safer operation
  - • Available VFD control on exhaust fan for faster purge and cool-down times
  - • Digital chart recorder (additional costs may apply)

Smart Touch PLC Control Panel

Selecting a Batch Oven Size

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

Model Number	Interior Dimensions			Single Entry Outside			Double Entry Outside			Recirculating Fan		Exhaust Fan		Burner		BTU Load (lbs/hr)	Gas Train	Cubic Feet/Hour	
	Width	Height	Depth	Width	Height	Depth	Width	Height	Depth	SCFM	HP	SCFM	HP	BTU	HP			Natural CFH	LP CFH
BO-06-07-12-SE-S	6'-0"	7'-0"	12'-0"	8'-5"	8'-4"	17'-8"	8'-5"	13'-4"	12'-8"	5,202	5HP	1,350	1HP	1,000,000	0.33HP	1,100	1.5" NPT	1,000	630
BO-06-07-14-SE-S	6'-0"	7'-0"	14'-0"	8'-5"	8'-4"	19'-8"	8'-5"	13'-4"	14'-8"	6,069	5HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-06-07-16-SE-S	6'-0"	7'-0"	16'-0"	8'-5"	8'-4"	21'-8"	8'-5"	13'-4"	16'-8"	6,936	7.5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-06-08-12-SE-S	6'-0"	8'-0"	12'-0"	8'-5"	9'-4"	17'-8"	8'-5"	14'-4"	12'-8"	5,814	5HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-06-08-14-SE-S	6'-0"	8'-0"	14'-0"	8'-5"	9'-4"	19'-8"	8'-5"	14'-4"	14'-8"	6,783	5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-06-08-16-SE-S	6'-0"	8'-0"	16'-0"	8'-5"	9'-4"	21'-8"	8'-5"	14'-4"	16'-8"	7,752	7.5HP	1,375	1HP	1,000,000	0.33HP	3,500	1.5" NPT	1,000	630
BO-07-07-12-SE-S	7'-0"	7'-0"	12'-0"	9'-5"	8'-4"	17'-8"	9'-5"	13'-4"	12'-8"	5,814	5HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-07-07-14-SE-S	7'-0"	7'-0"	14'-0"	9'-5"	8'-4"	19'-8"	9'-5"	13'-4"	14'-8"	6,783	5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-07-07-16-SE-S	7'-0"	7'-0"	16'-0"	9'-5"	8'-4"	21'-8"	9'-5"	13'-4"	16'-8"	7,752	7.5HP	1,375	1HP	1,000,000	0.33HP	1,700	1.5" NPT	1,000	630
BO-08-08-12-SE-S	8'-0"	8'-0"	12'-0"	10'-5"	9'-4"	17'-8"	10'-5"	14'-4"	12'-8"	7,182	7.5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-08-08-14-SE-S	8'-0"	8'-0"	14'-0"	10'-5"	9'-4"	19'-8"	10'-5"	14'-4"	14'-8"	8,379	7.5HP	1,400	1HP	1,000,000	0.33HP	1,800	1.5" NPT	1,000	630
BO-08-08-16-SE-S	8'-0"	8'-0"	16'-0"	10'-5"	9'-4"	21'-8"	10'-5"	14'-4"	16'-8"	9,576	7.5HP	1,400	1HP	1,000,000	0.33HP	2,000	1.5" NPT	1,000	630
BO-08-08-20-SE-S	8'-0"	8'-0"	20'-0"	10'-5"	9'-4"	25'-8"	10'-5"	14'-4"	20'-8"	11,970	10HP	2,075	1.5HP	1,500,000	0.33HP	2,500	1.5" NPT	1,500	945
BO-08-10-10-SE-S	8'-0"	10'-0"	10'-0"	10'-5"	11'-4"	15'-8"	10'-5"	16'-4"	10'-8"	7,245	7.5HP	1,400	1HP	1,000,000	0.33HP	1,600	1.5" NPT	1,000	630
BO-08-10-12-SE-S	8'-0"	10'-0"	12'-0"	10'-5"	11'-4"	17'-8"	10'-5"	16'-4"	12'-8"	8,694	7.5HP	1,400	1HP	1,000,000	0.33HP	1,900	1.5" NPT	1,000	630
BO-08-10-14-SE-S	8'-0"	10'-0"	14'-0"	10'-5"	11'-4"	19'-8"	10'-5"	16'-4"	14'-8"	10,143	7.5HP	1,425	1HP	1,000,000	0.33HP	2,200	1.5" NPT	1,000	630
BO-08-10-16-SE-S	8'-0"	10'-0"	16'-0"	10'-5"	11'-4"	21'-8"	10'-5"	16'-4"	16'-8"	11,592	10HP	2,075	1HP	1,500,000	0.33HP	2,500	1.5" NPT	1,500	945
BO-10-10-10-SE-S	10'-0"	10'-0"	10'-0"	12'-5"	11'-4"	15'-8"	12'-5"	16'-4"	10'-8"	8,625	7.5HP	1,400	1HP	1,000,000	0.33HP	1,800	1.5" NPT	1,000	630
BO-10-10-12-SE-S	10'-0"	10'-0"	12'-0"	12'-5"	11'-4"	17'-8"	12'-5"	16'-4"	12'-8"	10,350	7.5HP	1,425	1HP	1,000,000	0.33HP	2,200	1.5" NPT	1,000	630
BO-10-10-14-SE-S	10'-0"	10'-0"	14'-0"	12'-5"	11'-4"	19'-8"	12'-5"	16'-4"	14'-8"	12,075	10HP	2,100	1HP	1,500,000	0.33HP	2,600	1.5" NPT	1,500	945

Alternative Configuration: Double Entry (DE)
This chart is for an operating temperature of 450°F and designed for curing powder. Other curing requirements will change this information.

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Follow Us:

VHD Batch Ovens

After years of testing and evaluating the best and most efficient oven design, Col-Met has launched the new Vortex Heat Distribution (VHD) Batch Oven. The Col-Met VHD batch oven is typically used in smaller product runs however can be used for semi high production of smaller parts hung on multi part racks. Used for powder or liquid applications, batch ovens are recommended if floor space is limited and when product sizes, shapes and volumes vary frequently.

Construction & Features
>> Single and double entry design
>> Floor mounted heater box for easy maintenance
>> In house design and fabrication of oven panels and components
>> 20-gauge aluminized steel with 4" insulated panels
>> Slotted channel design to reduce heat transfer
>> Explosion relief doors with FM approved latches
>> State-of-the-art economical burner design
>> Superior airflow design for constant heat distribution from full overhead discharge
>> Maximum operating temperature of 450F
>> All Col-Met Batch Ovens comply with applicable OSHA and NFPA standards

Standard Control Panels
>> 3-Phase main disconnect
>> UL/cUL/ETL listed controls in a NEMA12 Enclosure
>> Motor contractors and protectors
>> Analog 1 second to 300 hour batch timer
>> Digital temperature controller and high temperature limit with rollback protection
>> FM approved gas train with high pressure, low pressure, and proof of closure safety switches. Includes ventless regulator and dual blocking valve. 2-5 psi recommended gas pressure
>> Air proving switches for all critical fans
>> Terminal strip to connect control panel to burner box
>> UV scanner flame monitoring for reliable start-up
>> 230V/480V 3-phase 60Hz

Standard Control Panel

Options
>> Exhaust stack is not included and can be purchased as an option
>> Remotely located push button HMI panel
>> Smart Touch PLC and Touchscreen HMI Control Package
  • 6" Touchscreen with four batch modes and troubleshooting capabilities
  • PLC control logic
  • 1 Second to 16 hour digital batch timer with countdown indication
  • Digital self-tuning temperature controller and high temperature limit with rollback protection
  • Digital password protected purge timer for safer operation
  • Available VFD control on exhaust fan for faster purge and cool-down times
  • Digital chart recorder (additional costs may apply)

Optional Smart Touch HMI Control Panel

Selecting a VHD Batch Oven Size

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

Model Number	Interior Dimensions			Single Entry Outside			Double Entry Outside			Recirculating Fan		Exhaust Fan		Burner		BTU Load (lbs/hr)	Gas Train	Cubic Feet/Hour	
	Width	Height	Depth	Width	Height	Depth	Width	Height	Depth	SCFM	HP	SCFM	HP	BTU	HP			Natural CFH	LP CFH
BO-VHD-05-06-06-SE	5'-0"	6'-0"	6'-0"	5'-8"	7'-10"	10'-8"	9'-8"	7'-10"	6'-8"	1,080	1HP	675	1HP	500,000	0.33HP	500	1" NPT	500	315
BO-VHD-05-06-07-SE	5'-0"	6'-0"	7'-0"	5'-8"	7'-10"	11'-8"	9'-8"	7'-10"	7'-8"	1,260	1HP	675	1HP	500,000	0.33HP	500	1" NPT	500	315
BO-VHD-05-06-08-SE	5'-0"	6'-0"	8'-0"	5'-8"	7'-10"	12'-8"	9'-8"	7'-10"	8'-8"	1,440	1.5HP	675	1HP	500,000	0.33HP	600	1" NPT	500	315
BO-VHD-05-06-10-SE	5'-0"	6'-0"	10'-0"	5'-8"	7'-10"	14'-8"	9'-8"	7'-10"	10'-8"	1,800	1.5HP	700	1HP	500,000	0.33HP	800	1" NPT	500	315
BO-VHD-05-06-12-SE	5'-0"	6'-0"	12'-0"	5'-8"	7'-10"	16'-8"	9'-8"	7'-10"	12'-8"	2,160	2HP	700	1HP	500,000	0.33HP	900	1" NPT	500	315
BO-VHD-06-06-06-SE	6'-0"	6'-0"	6'-0"	6'-8"	7'-10"	10'-8"	10'-8"	7'-10"	6'-8"	1,296	1HP	675	1HP	500,000	0.33HP	500	1" NPT	500	315
BO-VHD-06-06-08-SE	6'-0"	6'-0"	8'-0"	6'-8"	7'-10"	12'-8"	10'-8"	7'-10"	8'-8"	1,728	1.5HP	675	1HP	500,000	0.33HP	700	1" NPT	500	315
BO-VHD-06-06-10-SE	6'-0"	6'-0"	10'-0"	6'-8"	7'-10"	14'-8"	10'-8"	7'-10"	10'-8"	2,160	2HP	700	1HP	500,000	0.33HP	800	1" NPT	500	315
BO-VHD-06-06-12-SE	6'-0"	6'-0"	12'-0"	6'-8"	7'-10"	16'-8"	10'-8"	7'-10"	12'-8"	2,592	2HP	1,350	1HP	1,000,000	0.33HP	1,000	1.5" NPT	1,000	630
BO-VHD-06-06-14-SE	6'-0"	6'-0"	14'-0"	6'-8"	7'-10"	19'-8"	10'-8"	7'-10"	14'-8"	3,024	3HP	1,350	1HP	1,000,000	0.33HP	1,200	1.5" NPT	1,000	630
BO-VHD-06-06-16-SE	6'-0"	6'-0"	16'-0"	6'-8"	7'-10"	20'-8"	10'-8"	7'-10"	16'-8"	3,456	3HP	1,350	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-VHD-06-07-06-SE	6'-0"	7'-0"	6'-0"	6'-8"	8'-10"	10'-8"	10'-8"	8'-10"	6'-8"	1,512	1.5HP	675	1HP	500,000	0.33HP	600	1" NPT	500	315
BO-VHD-06-07-08-SE	6'-0"	7'-0"	8'-0"	6'-8"	8'-10"	12'-8"	10'-8"	8'-10"	8'-8"	2,016	2HP	700	1HP	500,000	0.33HP	700	1" NPT	500	315
BO-VHD-06-07-10-SE	6'-0"	7'-0"	10'-0"	6'-8"	8'-10"	14'-8"	10'-8"	8'-10"	10'-8"	2,520	2HP	1,350	1HP	1,000,000	0.33HP	1,000	1.5" NPT	1,000	630
BO-VHD-06-07-12-SE	6'-0"	7'-0"	12'-0"	6'-8"	8'-10"	16'-8"	10'-8"	8'-10"	12'-8"	3,024	3HP	1,350	1HP	1,000,000	0.33HP	1,100	1.5" NPT	1,000	630
BO-VHD-06-07-14-SE	6'-0"	7'-0"	14'-0"	6'-8"	8'-10"	18'-8"	10'-8"	8'-10"	14'-8"	3,528	3HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-VHD-06-07-16-SE	6'-0"	7'-0"	16'-0"	6'-8"	8'-10"	20'-8"	10'-8"	8'-10"	16'-8"	4,032	5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-VHD-06-08-06-SE	6'-0"	8'-0"	6'-0"	6'-8"	9'-10"	10'-8"	10'-8"	9'-10"	6'-8"	1,728	1.5HP	700	1HP	500,000	0.33HP	700	1" NPT	500	315
BO-VHD-06-08-08-SE	6'-0"	8'-0"	8'-0"	6'-8"	9'-10"	12'-8"	10'-8"	9'-10"	8'-8"	2,304	2HP	700	1HP	500,000	0.33HP	900	1" NPT	500	315
BO-VHD-06-08-10-SE	6'-0"	8'-0"	10'-0"	6'-8"	9'-10"	14'-8"	10'-8"	9'-10"	10'-8"	2,880	2HP	1,350	1HP	1,000,000	0.33HP	1,100	1.5" NPT	1,000	630
BO-VHD-06-08-12-SE	6'-0"	8'-0"	12'-0"	6'-8"	9'-10"	16'-8"	10'-8"	9'-10"	12'-8"	3,456	3HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-VHD-06-08-14-SE	6'-0"	8'-0"	14'-0"	6'-8"	9'-10"	18'-8"	10'-8"	9'-10"	14'-8"	4,032	5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-VHD-06-08-16-SE	6'-0"	8'-0"	16'-0"	6'-8"	9'-10"	20'-8"	10'-8"	9'-10"	16'-8"	4,608	5HP	1,375	1HP	1,000,000	0.33HP	1,700	1.5" NPT	1,000	630
BO-VHD-07-07-07-SE	7'-0"	7'-0"	7'-0"	7'-8"	8'-10"	11'-8"	11'-8"	8'-10"	7'-8"	2,058	2HP	700	1HP	500,000	0.33HP	800	1" NPT	500	315
BO-VHD-07-07-08-SE	7'-0"	7'-0"	8'-0"	7'-8"	8'-10"	12'-8"	11'-8"	8'-10"	8'-8"	2,352	2HP	700	1HP	500,000	0.33HP	900	1" NPT	500	315
BO-VHD-07-07-10-SE	7'-0"	7'-0"	10'-0"	7'-8"	8'-10"	14'-8"	11'-8"	8'-10"	10'-8"	2,940	3HP	1,350	1HP	1,000,000	0.33HP	1,100	1.5" NPT	1,000	630
BO-VHD-07-07-12-SE	7'-0"	7'-0"	12'-0"	7'-8"	8'-10"	16'-8"	11'-8"	8'-10"	12'-8"	3,528	3HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-VHD-07-07-14-SE	7'-0"	7'-0"	14'-0"	7'-8"	8'-10"	18'-8"	11'-8"	8'-10"	14'-8"	4,116	5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-VHD-07-07-16-SE	7'-0"	7'-0"	16'-0"	7'-8"	8'-10"	20'-8"	11'-8"	8'-10"	16'-8"	4,704	5HP	1,375	1HP	1,000,000	0.33HP	1,700	1.5" NPT	1,000	630
BO-VHD-08-08-08-SE	8'-0"	8'-0"	8'-0"	8'-8"	9'-10"	12'-8"	12'-8"	9'-10"	8'-8"	3,072	3HP	1,350	1HP	1,000,000	0.33HP	1,000	1.5" NPT	1,000	630
BO-VHD-08-08-10-SE	8'-0"	8'-0"	10'-0"	8'-8"	9'-10"	14'-8"	12'-8"	9'-10"	10'-8"	3,840	5HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-VHD-08-08-12-SE	8'-0"	8'-0"	12'-0"	8'-8"	9'-10"	16'-8"	12'-8"	9'-10"	12'-8"	4,608	5HP	1,375	1HP	1,000,000	0.33HP	1,500	1.5" NPT	1,000	630
BO-VHD-08-08-14-SE	8'-0"	8'-0"	14'-0"	8'-8"	9'-10"	18'-8"	12'-8"	9'-10"	14'-8"	5,376	7.5HP	1,400	1HP	1,000,000	0.33HP	1,800	1.5" NPT	1,000	630
BO-VHD-08-08-16-SE	8'-0"	8'-0"	16'-0"	8'-8"	9'-10"	20'-8"	12'-8"	9'-10"	16'-8"	6,144	7.5HP	1,400	1HP	1,000,000	0.33HP	2,000	1.5" NPT	1,000	630
BO-VHD-08-08-20-SE	8'-0"	8'-0"	20'-0"	8'-8"	9'-10"	24'-8"	12'-8"	9'-10"	20'-8"	7,680	7.5HP	2,075	1HP	1,500,000	0.33HP	2,500	1.5" NPT	1,500	945
BO-VHD-08-10-08-SE	8'-0"	10'-0"	8'-0"	8'-8"	11'-10"	12'-8"	12'-8"	11'-10"	8'-8"	3,840	3HP	1,375	1HP	1,000,000	0.33HP	1,300	1.5" NPT	1,000	630
BO-VHD-08-10-10-SE	8'-0"	10'-0"	10'-0"	8'-8"	11'-10"	14'-8"	12'-8"	11'-10"	10'-8"	4,800	5HP	1,400	1HP	1,000,000	0.33HP	1,600	1.5" NPT	1,000	630
BO-VHD-08-10-12-SE	8'-0"	10'-0"	12'-0"	8'-8"	11'-10"	16'-8"	12'-8"	11'-10"	12'-8"	5,760	7.5HP	1,400	1HP	1,000,000	0.33HP	1,900	1.5" NPT	1,000	630
BO-VHD-08-10-14-SE	8'-0"	10'-0"	14'-0"	8'-8"	11'-10"	18'-8"	12'-8"	11'-10"	14'-8"	6,720	7.5HP	1,425	1HP	1,000,000	0.33HP	2,200	1.5" NPT	1,000	630
BO-VHD-08-10-16-SE	8'-0"	10'-0"	16'-0"	8'-8"	11'-10"	20'-8"	12'-8"	11'-10"	16'-8"	7,680	7.5HP	2,075	1HP	1,500,000	0.33HP	2,500	1.5" NPT	1,500	945
BO-VHD-10-10-10-SE	10'-0"	10'-0"	10'-0"	10'-8"	11'-10"	14'-8"	14'-8"	11'-10"	10'-8"	6,000	7.5HP	1,400	1HP	1,000,000	0.33HP	3,700	1.5" NPT	1,000	630
BO-VHD-10-10-12-SE	10'-0"	10'-0"	12'-0"	10'-8"	11'-10"	16'-8"	14'-8"	11'-10"	12'-8"	7,200	7.5HP	1,425	1HP	1,500,000	0.33HP	4,500	1.5" NPT	1,000	630
BO-VHD-10-10-14-SE	10'-0"	10'-0"	14'-0"	10'-8"	11'-10"	18'-8"	14'-8"	11'-10"	14'-8"	8,400	7.5HP	2,100	1HP	1,500,000	0.33HP	5,300	1.5" NPT	1,500	945

Alternative Configuration: Double Entry (DE)

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Follow Us:

Batch Cure Chambers

- **Heavy Duty Bolted Construction**
- **Flat Roof or Angled Top Lighting**
- **Temperature Range Up to 160°F**
- **Available in a Wide Range of Designs to Meet Any Production Requirement**

Col-Met's Batch Cure Chambers are designed to quickly cure your parts as they go through the finishing process. Since the drying phase is accelerated, our batch cure chambers are an excellent solution for companies with high production needs.

Heated air is provided through the intake plenum by an air makeup unit (heat range up to 160°F). Typically this unit is designed to recirculate 80 percent of the heated air from the exhaust plenum back into the chamber and the remaining air to be exhausted is removed from the exhaust plenum via the provided exhaust fan. Col-Met's Batch Cure Chambers are available standard as a solid back but can also be designed as drive-through configuration.

Features

>> **Heavy Duty Construction** Constructed from 18-gauge, prime quality-galvanized steel. Designed for easy installation, panels and support members are precision punched for easy nut and bolt assembly.

>> **Superior Doors** Windowed personnel access doors are pre-hung in a heavy gauge galvanized steel frame for easy installation. Our standard man door is 36" wide, making the booth easily accessible.

>> **ETL and UL-Listed Control Panel** UL 508a listed controls in NEMA 12 Enclosure - Variable Frequency Drive (VFD) to control booth exhaust fan for user-friendly booth pressure balancing.

>> **Efficient Fans & Motors** Quality brand-name exhaust fan and motor.

>> **Air Make-Up Unit** Designed for optimal fuel efficiency, Col-Met EZ Heat & Cure Air Makeup Units deliver filtered heated air evenly throughout your booth. Precision controlled to minimize temperature variations; they effectively remove particulates from the air that can negatively affect the quality of your finish. Also included is a chamber mounted temperature probe to measure chamber temperature.

>> **Meets Quality Standards** Col-Met Batch Cure Chambers comply with applicable NFPA regulations.

Batch Cure Chamber Interior

AMU Control Panel

Options

>> Durable powder coated white option available
>> 2" Insulated panels up to 180° F
>> Smart Touch PLC control panel
>> Roll-up, tri-fold or bi-fold doors available
>> Drive-through configuration
>> Height, width and depth can be custom designed to meet specific requirements

# Batch Cure Chambers

Selecting a Size

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

Model Number	Interior Dimensions			Exterior Dimensions			Access Doors	Nominal Door Opening				Qty Lights	AMU		80% Recirc CFM	Exhaust Fan		
	Width	Height	Depth	Width	Height	Depth		Width	Height	Qty	Type		CFM	Model		CFM	Size	HP
BCC-12-08-16-P-SB	12	8	16	13	16'-8"	16'-4"	1	8	8	8	Solid	2	8,160	EC-812K-H	6,528	1,632	18	3/4
BCC-14-10-22-P-SB	14	10	22	15	18'-8"	22'-4"	1	10	10	1	Solid	2	11,900	EC-812K-H	9,520	2,380	18	3/4
BCC-16-16-34-P-SB	16	16	34	17	25'-7"	34'-4"	1	12	16	1	Solid	4	21,760	EC-2026K-H	17,408	4,352	18	1.5

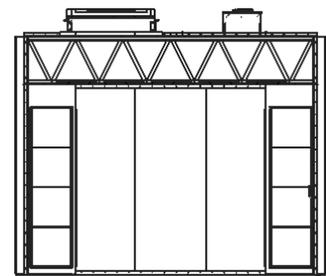*Alternative Configuration: Drive Through*
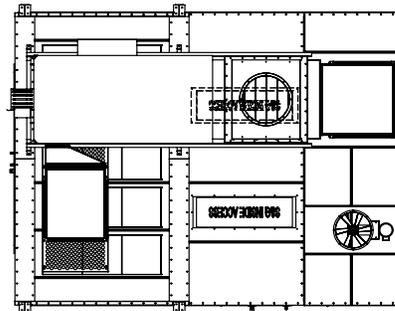
Plan View
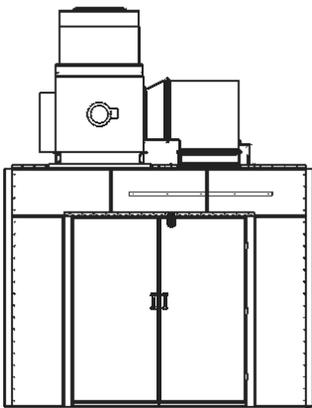
Front View
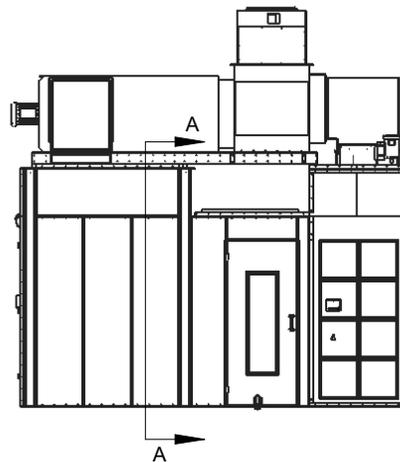
Side View

Section A-A

Oven Panels

Col-Met's high-quality oven panels are 4" thick panels constructed of 20-gauge prime aluminized steel inside and out. Instead of spot welds which are known to break down the panel integrity, Col-Met utilizes a "knuckle" punch for attachment of the top and bottom connecting panels and a "button" punch along the tongue and groove surfaces. This assemble process provides superior strength while protecting the cosmetic appearance of the panels.

Additional Features

>> Built with tongue and groove construction

>> 2", 3", 6" and 8" thick panels are also available

>> Stiffener panels comprising the top, bottom and sidewalls of the panels are factory punched to reduce the through metal, thereby reducing heat transmission to the exterior surface of the panels

>> Where possible, standard 27 ½" panels are used, providing a net width of 26". (36" width optional)

>> Standard 4 lb density semi-rigid/resilient Rockwool insulation sandwiched between surfaces (6 and 8lb density optional)

>> Available in lengths up to 15', as well as custom lengths, upon request

>> Powder coated white finish is an available option

Shipping

>> Most orders ship in 2 weeks or less

>> Panels are placed on their edges, palletized and secured with 2x4 banded reinforced framing for forklift unloading

Follow Us:

Air Makeup Units

EZ Heat & Cure AMUs
>> **Easy Installation and Setup**
>> **Reduces Total Energy Costs**
>> **Enhances Finishing Applications Due to Reduced Air Particulates**
>> **Decreases Cold Air Infiltration**
>> **Increases Production With an Accelerated Dry Time**

Designed for optimal fuel efficiency, Col-Met EZ Heat & Cure Air Makeup Units deliver filtered heated air evenly throughout your booth. Precision-controlled to minimize temperature variations, they effectively remove particulates from the air that can negatively affect the quality of your finish.

By utilizing direct-fired burners, our motorized auto gas control delivers a consistent burn for an evenly heated airflow into the booth. With self-adjusting profile and inlet dampers, the EZ Heat & Cure modulates airflow as it passes over the burners, regulating air pressure and fuel consumption for a clean, fuel-efficient burn.

Truck Unit

Model Options:
>> Dump Into Building – No Exhaust VFD, No Light Circuit
>> Heat Only – Exhaust VFD, Light Circuit, Spray Air Interlock
>> Heat & Cure – Exhaust VFD, Light Circuit, Cure Cycle, Spray Air Interlock, Door Limit Switches
>> Cure Only – Exhaust VFD, Light Circuit, Cure Cycle, Door Limit Switches

Standard Features
>> ETL Listed to ANSI Z83.4 – CSA3.7
>> Powder Coated White
>> 1.5 to 4 mil BTU Eclipse™ Burner
>> Motorized Butterfly Auto Gas Control
>> High-Efficiency Plug Type Fan for Extended Filter Life*
>> All Digital Microprocessor, PID, Dual Set Point Temp Controller*
>> Multi-Position, Infinitely Variable Inlet Damper for Supply Air Control
>> Automatic Variable Profile Damper to Maintain Optimum Flame Efficiency*
>> UL 508a Listed Controls - Variable Frequency Drive (VFD) to Control Booth Exhaust Fan for User-Friendly Booth Pressure Balancing
>> LED Indicator Lights for Displaying Unit Status
>> Center Zero Magnehelic Gauge
>> Integrated Platform Stand (vertical units only)
>> Inlet Hood (horizontal units only)
>> User-Adjustable Flash, Cure and Cool Down Timers (EHC models only)
>> Individual Potentiometers for Spray and Cure Mode (EHC models only)
>> Approved Combustion Components Provide for a Safe Working Environment
* Col-Met Exclusive Feature

Control Panel Board

Valve Train

Optional Features
>> Auto-Balance
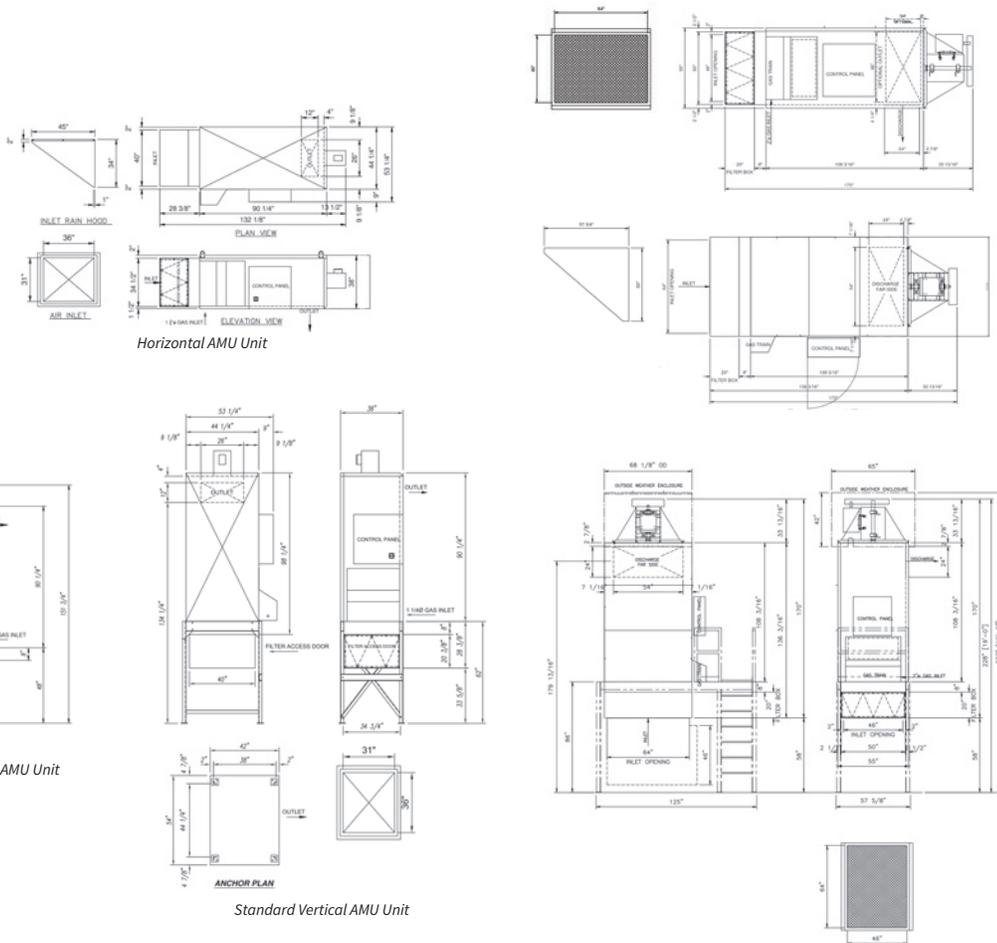>> Prep Mode
>> Recirculation

Butterfly Valve

EZ Heat & Cure Product Selection Guide

Available for both indoor and outdoor applications, our air makeup units can be set up for vertical or horizontal configurations and have exclusive features for safer operations and enhanced operator comfort. Fuel-efficient and designed for better finishing, experience a level of quality and control you can only expect from Col-Met.

Model:	EH/EHC-812	EH/EHC-1216	EH/EHC-2026	EH/EHC-2734	EH/EHC-3540
CFM Rating	8,000 SCFM to 12,000 SCFM	12,000 SCFM to 16,000 SCFM	20,000 SCFM to 26,000 SCFM	27,000 SCFM to 34,000 SCFM	35,000 SCFM to 40,000 SCFM
External Static Pressure	.5" W. C.	.5" W. C.	.5" W. C.	.5" W. C.	.5" W. C.
Fan Motor Horsepower	10	15	15	25	40
Fan Motor Amps @208 volt 3 phase	32.2	48.3	48.3	78.2	120
Fan Motor Amps @230 volt 3 phase	28	42	42	68	104
Fan Motor Amps @480 volt 3 phase	14	21	21	34	52
Fan Motor Amps @575 volt 3 phase	11	17	17	27	41
Burner BTU Rating	1,500,000 Per Hour Max	2,000,000 Per Hour Max	3,000,000 Per Hour Max	3,500,000 Per Hour Max	4,000,000 Per Hour Max
Fuel Pressure	14" W.C. Min to 28" W.C. Max	14" W.C. Min to 28" W.C. Max	14" W.C. Min to 140" W.C. Max	14" W.C. Min to 140" W.C. Max	14" W.C. Min to 140" W.C. Max
Valve Train Inlet Size	1.25" NPT	1.25" NPT	1.5" NPT	1.5" NPT	2" NPT
Natural Gas Fuel Consumption	1,500 Cubic Feet Per Hr Max	2,000 Cubic Feet Per Hr Max	3,000 Cubic Feet Per Hr Max	3,500 Cubic Feet Per Hr Max	4,000 Cubic Feet Per Hr Max
Propane Fuel Consumption	945 Cubic Feet Per Hr Max	1,260 Cubic Feet Per Hr Max	1,890 Cubic Feet Per Hr Max	2,205 Cubic Feet Per Hr Max	2,520 Cubic Feet Per Hr Max

Horizontal AMU Unit

Short Vertical AMU Unit

Standard Vertical AMU Unit

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Follow Us:

Multi-Stage Process Washer

COL-MET
Engineered Finishing Solutions

- **Heavy Duty Construction**
- **Easy to Install**
- **All Multi-stage Process Washers Built to Specific Requirements**

Col-Met's washer systems have been designed in conjunction with chemical suppliers to assure they meet the standards associated with the latest in chemical pretreatment technology. Together, we have designed our washers around minimizing maintenance and increasing machine life. They are complete with the necessary stiffeners and structure support for the conveyor. A sloped roof design allows condensed water to run down the side walls and away from any parts.

Our skilled engineers will design a conveyor pass-through system specific to your needs, taking into consideration the size of the parts and the time allotted for the parts to pass through the washer.

Washer Features

>> **Top Lift-Out Solution Pumps** Col-Met's process washers are designed with solution pumps that are top lift-out, vertical mount pumps with a semi-open impeller. The "C" Face motor eliminates any field coupling and alignment problems and provides easy maintenance. A heavy cast frame supports bearing completely above the tank. Agreeable bearings are protected from fluid and vapors by cover plate and vapor seal.

>> **Structural Steel Reinforcement** Reinforced by a continuous pitched grill under the washer tank and angle stiffeners inside the tank walls. Stainless steel 2" x 2" x ¼" support angles frame all tank lids and pump plates.

>> **Tank Burner System** Fitted to your needs, each process washer will utilize an Eclipse Imerso-Jet heater. This system is a nozzle-mix tube-firing burner designed to fire at high velocities through small-diameter schedule 10 stainless steel serpentine immersion tubes. The combustion gases from the burner scrub the inner tube surface and produce high heat transfer rates. These features allow for system efficiencies of 75% to 80%.

>> **Tank Turn Rating** 3 to 1 minimum

>> **All Pump Motors** VFD (Variable Frequency Drive) to better control the nozzle pressure

>> **Stages** Manufactured with water level control to maintain acceptable quality in the recirculated solution

>> **Low Water Safety Switch** Installed on all heated stages to protect the burner tube

>> **Meets Quality Performance Standards** Washers manufactured by Col-Met meet and/or exceed all applicable OSHA and NFPA regulations
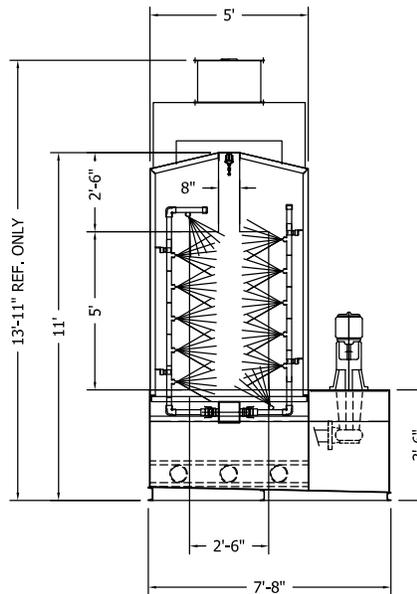
Options

>> Counter Flow Piping
>> Flow Meters
>> Oil Skimmers
>> Blow-off Fans
>> Misting risers
>> Bag Filters
>> Chemical Feed Equipment
>> Insulated tanks

Plan view

Exit View

Follow Us:

Limited Finishing Prep Station
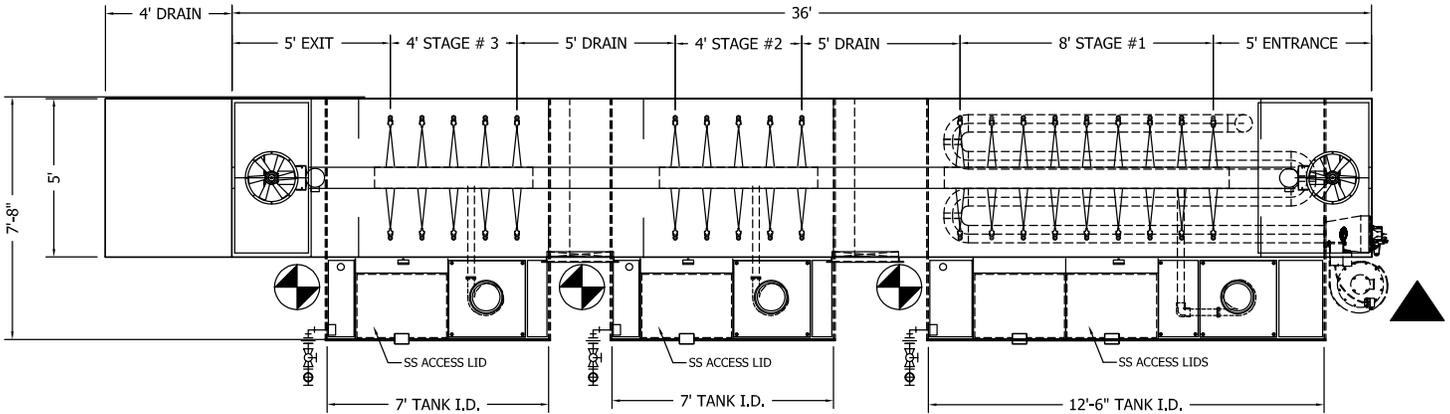
COL-MET
Engineered Finishing Solutions

- **Easy to Install and Operate**
- **Easy to Add Heat**
- **Simple to Maintain**
- **ETL Listed* When Curtains and Control Panel is Purchased**

A premium solution for prepping and painting vehicles, Col-Met's Limited Finishing Prep Station draws fresh air from the cleaner upper levels of the shop through a pressurization fan. The air is forced down in the prep station through a filter bank located in the ceiling near the entry. Keeping your shop clean, the air is drawn through the prep station work area into a filtered exhaust plenum at the opposite end and exhausted out to the atmosphere through the exhaust fan and stack. This design allows for easy addition of a heated air makeup unit.

Booth shown with optional curtains

Standard Features

>> **Heavy Duty Construction** Hanging intake plenum and exhaust wall plenum are fabricated with 18-guage galvanized steel panels

>> **Industry-Leading Lighting** Booths receive bright, even illumination from four-tube, 48" long, 32 watt, fluorescent light fixtures. Col-Met light fixtures are ETL listed (Class 1 Division 2, Group A, B, C, D and Class 2 division 2, Group F and G.) and are supplied with a multi-voltage ballast to accept any voltage between 110vac and 277vac. Bulbs are pre-installed at the factory and tested prior to shipment.

>> **Efficient Fans & Motors** (1) 18" diameter tubeaxial fan with a 1 ½ HP, three-phase motor.

>> **Airflow** Modified downdraft and downdraft airflow; Filtered exhaust plenum

>> **Supporting Accessories** Panels, assembly hardware, filters, and exhaust fan and stack included

>> **Meets Quality Standards** Meets and/or exceeds all applicable OSHA and NFPA regulations.and approved for their intended use and placement

Options

>> LED lighting

>> Goff™ Curtain Walls optional for closing of painting area (installed height is required)

>> Control panel and other electrical components can be purchased separately
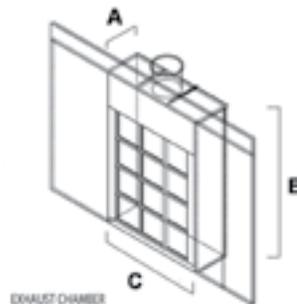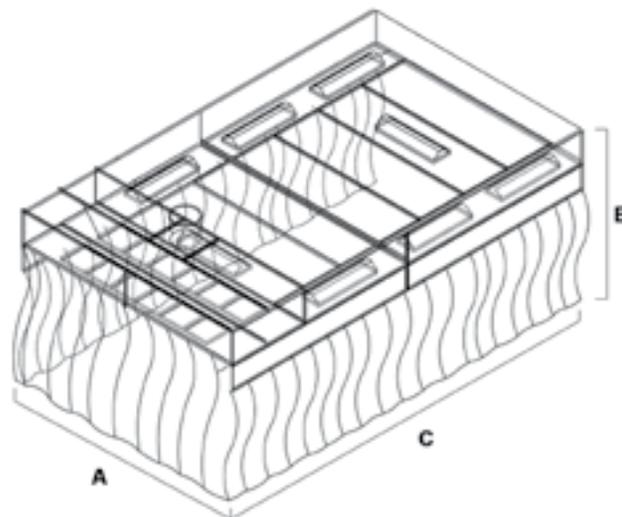
>> Easy addition of heated air makeup unit

Selecting a Prep Station Size

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

Model Number	Interior Dimensions			Exterior Dimensions			Qty. Lights	Air Flow SCFM	Fan Spec.		Filters	
	Width	Height	Length	Width	Height	Length			Dia.	HP	Int.	Exh.
EPS-14-10-24-P-SB	14'-0"	10'-0"	24'-0"	14'-4"	12'-2"	26'-6"	8	5,000	(2)18"	1.5HP	12	12

EXHAUST CHAMBER

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Follow Us:

Control Panels

Col-Met provides a number of controls for your spray booth such as motor starters, multi-fan and VFD control panels. Each of our standard control panels are delivered pre-wired with a single connection point to make installation fast and easy. Intuitive control displays allow for easy navigation and simplicity while working.

Touch Screen and PLC Based Controls

Col-Met now offers touch screen controls for our batch ovens, paint booths and powder collectors, allowing for simple operation of your equipment.

High Resolution Color Touch Screen

User friendly menu layout with advanced system status indicators

Features & Options Include:

>> **(3) Screen Sizes to Choose From** Maple Systems color touch screen available in 4.3 inch, 7 inch and 15 inch formats

>> **Expandable Input and Outputs** When systems change, processes need to be reconfigured. With our expandable input and output capabilities, change is not an issue. If a new limit switch is required, simply add an input block. If a fifth motor needs to be controlled, easily add an output block.

>> **On Screen Pressure Monitoring** By utilizing a pressure transducer, we can display the pressure of a filter or booth right on the screen. This data can be used to set limits on filter changes and exported to see how often filters are being changed.

>> **Precise System Information** When a VFD is used in conjunction with the smart touch control panel, detailed information such as frequency and amperage can be monitored on the touch screen.

>> **Built-In Hour Meters** Each critical device such as a motor contactor, burner proven input, or air solenoid output is programmed to monitor and record the amount of time it is in use. This means the maintenance department can see exactly how many hours the fan has run since the last time it was lubricated.

>> **Ethernet Communications** Connect the smart touch control panel to your Local Area Network to open up the remote monitoring and control capabilities. The touch screen includes a built in VNC server which will allow a user to access the system from a web browser or VNC app on a smart phone.

HMI Ignition Helper

Host Client System Remote Panel

Various sizes available

VFD Control Panels

VFD (Variable Frequency Drive) control panels allow the motor to operate anywhere between 18Hz and 60Hz. This means the fan can spin at virtually any speed, which allows for better control of the airflow in your booth. VFD control panels offer energy savings because they slowly ramp the fan up to speed eliminating costly inrush current and saving wear and tear on the fan belts.

Features & Options Include:

>> **Maximum Airflow Control** With new filters in the spray booth, the fan may move more air than what the applicator prefers. By using a VFD control panel, the operator can slow the fan when needed and speed it up as filters become clogged. It also provides the ability to run the fan at a low speed during surface preparation.

>> **Easy Booth Balance** When a booth has a supply fan and exhaust fan, they both must move the exact amount of air for the booth to properly balance. Unfortunately in the real world, there are a number of variables such as ductwork configuration, filter loading, and building pressure that can make this difficult. With a VFD control panel, balance is simple because the operator has full control over the speed of the exhaust fan.

>> **High Quality Components** The VFD control panel has a main disconnect switch, fuse protection for the VFD, protection for up to 15 lights, control relays and field wiring terminal strip. The operator interface includes start/stop buttons for the fans and lights and a potentiometer to control the speed of the fan. The included magnehelic gauge can be used to adjust the balance of the booth.

VFD Control Panel

VFD Control Panel Outside Buttons

UL and ETL-Listed Control Panels

A control panel is an all-inclusive means of controlling your booth. It comes pre-wired with a main disconnect switch, class 10 motor protector, light contactor and fuse protection. The independent toggle switches allow for separate control of your fan and lights. Control panels are UL 508a-listed and can also be ETL-listed.

Features & Options Include:

>> **Wide Range of Applications** Control panels can be set up for just about any voltage, phase and HP configuration needed for your application. The standard fuse protection allows for up to 15 light fixtures and additional circuits can be added to control up to 45 light fixtures. Control panels can be set up to operate paint mix rooms where continuous mechanical ventilation is required for NFPA.
>> **Field Wiring Terminal Block** Any optional features such as door limit switches, light lens limit switches, filter alarms and air solenoids will all wire back to the included terminal block, making field wiring extremely simple. Fire suppression interlock is included as a safety feature so the fan turns off in case of a fire alarm.
>> **High Quality Components** Get the maximum motor protection with the KT7 series motor controller. Every KT7 device is individually calibrated for the lowest and highest current it can handle. When coupled with the automatic ambient temperature compensation over a range of -25C to +60C, very accurate thermal overload protection is obtained. Excellent short circuit protection of up to 65kA at 480V and up to 47kA at 600V is also achieved.

Standard Control Panel

Standard Control Panel Interior

Magnetic Motor Starters

Motor starters are our most basic and cost-effective option to easily operate the fan on your booth. The motor starter is pre-wired in a NEMA 1 enclosure and is equipped with an adjustable solid-state overload relay and a 4-pole 23-amp contactor. For a UL-listed option, see our line of standard control panels with additional features.

Features & Options Include:

>> **Wide Range of Applications** Motor starters can be set up for just about any voltage, phase and HP configuration needed for your application.
>> **Optional Light Contractor** With an available lighting contactor, the motor starter can be a complete economical control solution for your booth. Independent toggle switches allow the lights and fan to be controlled separately.
>> **Paint Mix Room Compatible** A paint mix room is required to have continuous mechanical ventilation. Our motor starters can be configured to allow the fan to run at all times while still offering a switch for light fixtures.

For information on Oven and AMU controls, please see Oven and AMU product sheets.

Basic Motor Starter


Motor Starter with Light Circuit

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Follow Us:

LED Lights & Retro Kits

- **18-Gauge Steel Construction, Sealed & Gasketed**
- **White Powder Coating Finish**
- **Front Access Fixture**
- **ETL Listed**

Proper lighting plays an important role in achieving a high quality finish. Col-Met's LED lights offer many advantages to fluorescent lamps such as improved durability, an exceptionally longer life span, enormously lower energy usage, reduced maintenance costs and higher safety. Upgrading to LED is also easy without having to change any existing light fixtures.
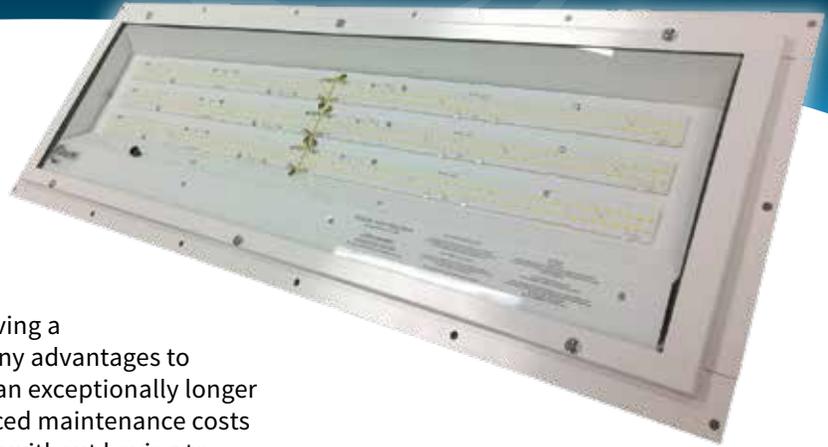
Benefits of LED Lights

>> **Efficiency** LED lighting consumes up to 50% less power than our standard fluorescent 32W T8 lamps, providing you with a dramatic decrease in power costs.

>> **Longevity** LEDs have a lifespan of up to 70,000 hours, considering an 8 hour shift, five days a week, the LED light will last over 25 years before needing replacement, lowering maintenance costs and long-term operating costs.

>> **Safety** Improved safety is one of the most important benefits of LED lights. Reducing the potential for safety risks such as burns and fires, they generate virtually no heat therefore are cool to the touch even if left on for hours.

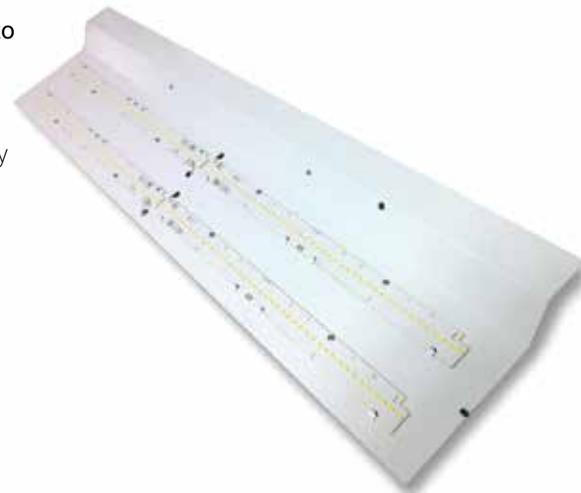>> **Environment** LEDs contain no mercury allowing for non-hazardous waste disposal

Features & Specifications

>> ETL listed for U.S. and Canada
>> Class I Division 2 Groups A,B,C,D
>> Class II Division 2 Groups F,G
>> 18-Gauge steel construction with white powder coat which creates a high quality and high reflective finish
>> 50% + energy savings compared to 32W T8 fluorescent lamps
>> LED output capabilities from 4 to 24,000 lumen output
>> Drivers and boards carry a 5-year warranty
>> Meet and/or exceed NFPA, OSHA, and NEC requirements

Col-Met's LED Retro Kits offer an easy-to-install, economical upgrade to LED lighting in your existing fixtures.

Features and Benefits include:

>> LED can be easily integrated into any existing Col-Met fluorescent spray booth or light fixtures.
>> Col-Met light fixtures will remain ETL Listed after Retro is installed
>> 50% + energy savings compared to 32W T8 fluorescent lamps
>> LED output capabilities from 4 to 24,000 lumen output
>> Drivers and boards carry a 5-year warranty

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Follow Us:

EZ 2001 Inside Access Light Fixture

- **18-Gauge Steel Construction, Sealed & Gasketed**
- **White Powder Coating Finish**
- **Front Access Fixture**
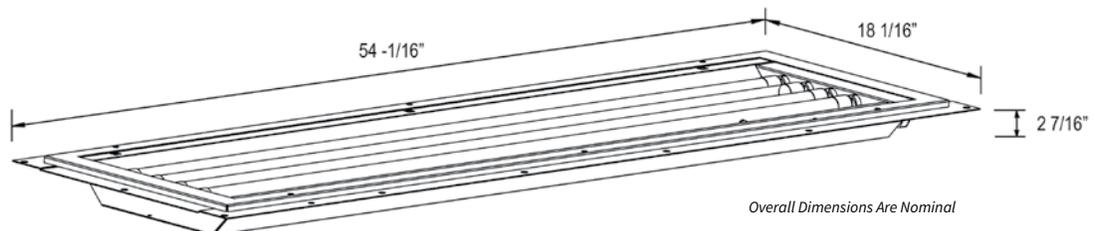- **ETL Listed**

Proper lighting allows for a better spray environment and is critical to achieve a high quality finish. Giving bright, full booth illumination, Col-Met offers the Series EZ 2001 Light Fixture, which is a slim 2 7/16" product suited for any spray booth. These lights are vapor and dust proof with ETL listings of Class 1, Division 2 and Class 2, Division 2. The series comes in a 4-lamp configuration of T8/32W and are powder coated white for increased light output.

Lighting Features

>> Front access fixture
>> 18-Gauge steel construction – sealed and gasketed
>> Easily fits inside a 2" insulated booth panel
>> Listed for locations with deposits of readily combustible paint residues
>> Glass lens is easily removable for lamp replacement
>> 5 Ft. 5-wire whip
>> 3/16" clear tempered glass
>> Surface mount
>> White powder coat finish
>> Ballasts carry a 5-year warranty
>> ETL Certified U.S. and Canada
>> Class I Division 2 Rated; Groups A, B, C, D
>> Class II Division 2 Rated; Groups F, G
>> Meet and/or exceed NFPA, OSHA, and NEC requirements

Electrical Features

>> Available in 32 Watts with T8 lamps
>> Paint spray cutoff switch for front door frame access
>> Available in 120/277 volt universal

54 -1/16"   18 1/16"   2 7/16"

Overall Dimensions Are Nominal

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Follow Us:

Tubeaxial Belt Driven Fan

Col-Met supplies high quality tube axial fans ranging from 12" to 42" in diameter and designed for continuous duty. The Aerovent model BTABD is a belt driven tube axial fan made specifically for reliable air movement in spray booth applications.

Superior Performance
>> Standard airflow from 1480 to 32,243 CFM
>> Static pressure 0.5" to 1.25" w.g.
>> AMCA certified

Features
>> Aluminum non-sparking fan blade meets all NFPA 33 requirements
>> Continuously welded, heavy-gauge, corrosion resistant, enamel coated steel housing with pre-punched inlet and outlet flanges
>> Non-relubricable "sealed for life" ball bearings in mono-block housing to ensure reliable bearing performance
>> The v-belt drive assembly is enclosed in an aerodynamically designed belt tube which maximizes fan efficiency
>> Dynamically balanced propellers for quiet, vibration-free operation
>> Cast iron motor sheaves
>> Propellers are statically and dynamically balanced in accordance with ANSI/AMCA 204-05

Aerodynamic belt tube with standard access door

Maintenance-free bearing assembly

SCFM @ 1/2"

Fan Diameter	Motor HP	SP	Motor RPM	Fan RPM
12"	3/4	1,450	1,725	2,457
18"	3/4-1-1/2	1,030-5,000	1,725	1,245-2,460
24"	1-3	5,350-9,050	1,725-1,750	1,330-1,960
30"	2-5	8,850-15,000	1,750	1,035-1,500
36"	5	15,296-18,392	1,750	860-979
42"	5-10	20,263-32,243	1,750	830-1,150

SCFM @ 3/4"

Fan Diameter	Motor HP	SP	Motor RPM	Fan RPM
18"	1-2	2,320-5,000	1,725-1,750	1,697-2,320
24"	1-1/2-3	5,100-8,900	1,725-1,750	1,415-2,010
30"	3-5	9,550-15,000	1,750	1,180-1,570
36"	5	13,296-16708	1,750	860-979
42"	5-10	19,679-30,006	1,750	830-1,150

SCFM @ 1"

Fan Diameter	Motor HP	SP	Motor RPM	Fan RPM
18"	1-2	1,250-4,700	1,725-1,750	1,697-2,566
24"	2-5	4,500-8,610	1,750	1,544-2,237
30"	3-5	8,889-13,770	1,750	1,352-1,750
36"	5	10,860-14,930	1,750	860-979
42"	10	22,045-27,706	1,750	1,066-1,150

SCFM @ 1-1/4"

Fan Diameter	Motor HP	SP	Motor RPM	Fan RPM
18"	1-1/2-2	2,800-3,200	1,725-1,750	2,161-2,237
24"	2-3	4,200-6,400	1,750	1,604-1,933
30"	3-5	7,700-10,700	1,750	1,352-1,571

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Follow Us:

Ductwork

At Col-Met, we provide high quality 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. Below is a listing of our most popular duct. Contact Col-Met for additional duct and accessories.

Plain Duct

Part No.	Dia.
PP12	12"
PP18	18"
PP24	24"
PP30	30"
PP36	36"
PP42	42"
PP48	48"

Elbow Duct

90 Degree

Part No.	Dia.
90EL12	12"
90EL18	18"
90EL24	24"
90EL30	30"
90EL36	36"
90EL42	42"
90EL48	48"

45 Degree

Part No.	Dia.
45EL12	12"
45EL18	18"
45EL24	24"
45EL30	30"
45EL36	36"
45EL42	42"
45EL48	48"

Plain Duct With Cleanout Door

Part No.	Dia.
PPD12	12"
PPD18	18"
PPD24	24"
PPD30	30"
PPD36	36"
PPD42	42"
PPD48	48"

Automatic Roof Ventilator

Part No.	Dia.
ARV12	12"
ARV18	18"
ARV24	24"
ARV30	30"
ARV36	36"
ARV42	42"
ARV48	48"

Spiral Duct

Part No.	Dia.
SP12	12"
SP18	18"
SP24	24"
SP30	30"
SP36	36"
SP42	42"
SP48	48"

Square Duct

Col-Met has many size variations available for square duct. Contact Col-Met for more information on our square duct.

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