



Industrial Powder



500° POWDER CURE BATCH OVEN

Technical Data

- Chart dimensions are width, height and depth
- Interior dimensions are clear between ducts, walls, floor and top
- Allow a minimum of 6" between parts and ducts for airflow
- Stack is not included with the oven but can be purchased as an option
- Eclipse Version 2 air heat burners
- All specifications are subject to change with out notice
- Larger ovens will be shipped unassembled with factory tested and assembled burner and recirculation unit
- Heater Box is factory tested

Construction

- Angle iron frames in all models
- 4" insulated panel construction
- Aluminized steel construction
- 16 ga. aluminized steel duct
- Explosion relief doors with FM approved latches



COL-MET STANDARD CONTROLS

- 3 Phase Main Circuit Breaker
- UL/CUL Listed Control Panel in NEMA12 Enclosure.
- Motor Contactors for all motors.
- Motor Protectors for all motors.
- Toggle switches for on/off control of fans, burner, and batch timer.
- Analog 1 second to 300 hour batch timer.
- Digital temperature controller.
- Digital 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 P.S.I. 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 Panels and Smart Touch Control Panels are both UL/CUL Listed in NEMA12 Enclosure.



COL-MET SMART TOUCH CONTROLS

- 3 Phase Main Circuit Breaker
- UL/CUL Listed Control Panel in NEMA12 Enclosure.
- Motor Contactors for all motors.
- Motor Protectors for all motors.
- 6" Touchscreen with 4 batch modes and troubleshooting capabilities.
- 1 second to 16 hour digital batch timer with countdown indication.
- Digital self-tuning temperature controller.
- Digital 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 P.S.I. recommended gas pressure.
- Air proving switches for all critical fans.
- 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.
- UV scanner flame monitoring for reliable start-up.
- 230V/480V 3 Phase 60Hz
- Available VFD control on exhaust fan for faster purge and cool-down times.





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Model Number	Inside (Ft.-0")			Single Entry Outside			Double Entry Outside			Recirculating Fan		Exhaust Fan		Burner		Gas Train	
	W	H	D	W	H	D	W	H	D	SCFM	HP	SCFM	HP	BTU	HP		AREA
BO-05-06-05-SE	5'-0"	6'-0"	5'-0"	7'-4"	7'-4"	10'-2"	7'-4"	11'-0"	5'-10"	1,500	1.5	500	1	500	0.33	150	1" NPT
BO-05-06-06-SE	5'-0"	6'-0"	6'-0"	7'-4"	7'-4"	11'-2"	7'-4"	11'-0"	6'-10"	1,800	1.5	500	1	500	0.33	180	1" NPT
BO-05-06-07-SE	5'-0"	6'-0"	7'-0"	7'-4"	7'-4"	12'-2"	7'-4"	11'-0"	7'-10"	2,100	2	500	1	500	0.33	210	1" NPT
BO-05-06-08-SE	5'-0"	6'-0"	8'-0"	7'-4"	7'-4"	13'-2"	7'-4"	11'-0"	8'-10"	2,400	2	500	1	500	0.33	240	1" NPT
BO-05-06-10-SE	5'-0"	6'-0"	10'-0"	7'-4"	7'-4"	14'-2"	7'-4"	11'-0"	10'-10"	3,000	3	500	1	500	0.33	300	1" NPT
BO-05-06-12-SE	5'-0"	6'-0"	12'-0"	7'-4"	7'-4"	16'-2"	7'-4"	11'-0"	12'-10"	3,600	5	500	1	500	0.33	360	1" NPT
BO-06-06-06-SE	6'-0"	6'-0"	6'-0"	8'-4"	7'-4"	11'-2"	8'-4"	11'-0"	6'-10"	2,160	2	500	1	500	0.33	216	1" NPT
BO-06-06-08-SE	6'-0"	6'-0"	8'-0"	8'-4"	7'-4"	13'-2"	8'-4"	11'-0"	8'-10"	2,880	3	500	1	500	0.33	288	1" NPT
BO-06-06-10-SE	6'-0"	6'-0"	10'-0"	8'-4"	7'-4"	15'-2"	8'-4"	11'-0"	10'-10"	3,600	5	500	1	500	0.33	360	1" NPT
BO-06-06-12-SE	6'-0"	6'-0"	12'-0"	8'-4"	7'-4"	17'-2"	8'-4"	11'-0"	12'-10"	4,320	5	500	1	500	0.33	432	1" NPT
BO-06-06-14-SE	6'-0"	6'-0"	14'-0"	8'-4"	7'-4"	19'-2"	8'-4"	11'-6"	14'-10"	5,040	5	500	1	500	0.33	504	1" NPT
BO-06-06-16-SE	6'-0"	6'-0"	16'-0"	8'-4"	7'-4"	21'-2"	8'-4"	11'-6"	16'-10"	5,760	5	500	1	1,000	0.33	576	1" NPT
BO-06-07-06-SE	6'-0"	7'-0"	6'-0"	8'-4"	8'-4"	11'-2"	8'-4"	12'-0"	6'-10"	2,520	5	500	1	500	0.33	252	1" NPT
BO-06-07-08-SE	6'-0"	7'-0"	8'-0"	8'-4"	8'-4"	13'-2"	8'-4"	12'-0"	8'-10"	3,360	5	500	1	500	0.33	336	1" NPT
BO-06-07-10-SE	6'-0"	7'-0"	10'-0"	8'-4"	8'-4"	14'-2"	8'-4"	12'-6"	10'-10"	4,200	5	500	1	500	0.33	420	1" NPT
BO-06-07-12-SE	6'-0"	7'-0"	12'-0"	8'-4"	8'-4"	16'-2"	8'-4"	12'-6"	12'-10"	5,040	5	500	1	500	0.33	504	1" NPT
BO-06-07-14-SE	6'-0"	7'-0"	14'-0"	8'-4"	8'-4"	18'-2"	8'-4"	12'-6"	14'-10"	5,880	5	500	1	1,000	0.33	588	1" NPT
BO-06-07-16-SE	6'-0"	7'-0"	16'-0"	8'-4"	9'-4"	20'-4"	8'-4"	12'-6"	16'-10"	6,720	5	500	1	1,000	0.33	672	1" NPT
BO-06-08-06-SE	6'-0"	8'-0"	6'-0"	8'-4"	9'-4"	11'-2"	8'-4"	12'-6"	6'-10"	2,880	3	500	1	500	0.33	288	1" NPT
BO-06-08-08-SE	6'-0"	8'-0"	8'-0"	8'-4"	9'-4"	13'-2"	8'-4"	12'-6"	8'-10"	3,840	3	500	1	500	0.33	384	1" NPT
BO-06-08-10-SE	6'-0"	8'-0"	10'-0"	8'-4"	9'-4"	15'-2"	8'-4"	13'-6"	10'-10"	4,800	5	500	1	500	0.33	480	1" NPT
BO-06-08-12-SE	6'-0"	8'-0"	12'-0"	8'-4"	9'-4"	17'-2"	8'-4"	13'-6"	12'-10"	5,760	5	500	1	500	0.33	576	1" NPT
BO-06-08-14-SE	6'-0"	8'-0"	14'-0"	8'-4"	9'-4"	19'-4"	8'-4"	13'-6"	14'-10"	6,720	5	500	1	1,000	0.33	672	1" NPT
BO-06-08-16-SE	6'-0"	8'-0"	16'-0"	8'-4"	9'-4"	21'-4"	8'-4"	13'-6"	16'-10"	7,680	7.5	500	1	1,000	0.33	768	1" NPT
BO-07-07-07-SE	7'-0"	7'-0"	7'-0"	9'-4"	8'-4"	12'-8"	8'-4"	12'-0"	7'-10"	3,430	5	500	1	500	0.33	343	1" NPT
BO-07-07-08-SE	7'-0"	7'-0"	8'-0"	9'-4"	8'-4"	13'-8"	8'-4"	12'-0"	8'-10"	3,920	3	500	1	500	0.33	392	1" NPT
BO-07-07-10-SE	7'-0"	7'-0"	10'-0"	9'-4"	8'-4"	16'-2"	8'-4"	12'-6"	10'-10"	4,900	5	500	1	500	0.33	490	1" NPT
BO-07-07-12-SE	7'-0"	7'-0"	12'-0"	9'-4"	8'-4"	18'-2"	8'-4"	12'-6"	12'-10"	5,880	5	500	1	1,000	0.33	588	1" NPT
BO-07-07-14-SE	7'-0"	7'-0"	14'-0"	9'-4"	8'-4"	20'-2"	8'-4"	12'-6"	14'-10"	6,860	7.5	500	1	1,000	0.33	686	1" NPT
BO-07-07-16-SE	7'-0"	7'-0"	16'-0"	9'-4"	8'-4"	22'-8"	8'-4"	12'-8"	16'-10"	7,840	7.5	750	1	1,000	0.33	784	1" NPT
BO-08-08-08-SE	8'-0"	8'-0"	8'-0"	10'-10"	9'-4"	14'-8"	10'-10"	13'-10"	8'-10"	5,120	5	500	1	500	0.33	512	1" NPT
BO-08-08-10-SE	8'-0"	8'-0"	10'-0"	10'-10"	9'-4"	16'-8"	10'-10"	13'-10"	10'-10"	6,400	5	500	1	1,000	0.33	640	1" NPT
BO-08-08-12-SE	8'-0"	8'-0"	12'-0"	10'-10"	9'-4"	18'-10"	10'-10"	14'-0"	12'-10"	7,680	7.5	500	1	1,000	0.33	768	1" NPT
BO-08-08-14-SE	8'-0"	8'-0"	14'-0"	10'-10"	9'-4"	20'-10"	10'-10"	14'-0"	14'-10"	8,960	7.5	750	1	1,000	0.33	896	1" NPT
BO-08-08-16-SE	8'-0"	8'-0"	16'-0"	10'-10"	9'-4"	21'-10"	10'-10"	14'-0"	16'-10"	10,240	10	1,000	1	1,000	0.33	1,024	1" NPT
BO-08-08-20-SE	8'-0"	8'-0"	20'-0"	10'-10"	9'-4"	27'-8"	10'-10"	14'-6"	20'-10"	12,800	10	1,350	1	1,500	0.33	1,280	1.5" NPT
BO-08-10-08-SE	8'-0"	10'-0"	8'-0"	10'-10"	11'-4"	14'-4"	10'-10"	15'-10"	8'-10"	6,400	5	500	1	1,000	0.33	640	1" NPT
BO-08-10-10-SE	8'-0"	10'-0"	10'-0"	10'-10"	11'-4"	16'-4"	10'-10"	15'-10"	10'-10"	8,000	7.5	750	1	1,000	0.33	800	1" NPT
BO-08-10-12-SE	8'-0"	10'-0"	12'-0"	10'-10"	11'-4"	18'-4"	10'-10"	15'-10"	12'-10"	9,600	10	1,000	1	1,000	0.33	960	1" NPT
BO-08-10-14-SE	8'-0"	10'-0"	14'-0"	10'-10"	11'-4"	16'-4"	10'-10"	16'-0"	14'-10"	11,200	10	1,000	1	1,500	0.33	1,120	1.5" NPT
BO-08-10-16-SE	8'-0"	10'-0"	16'-0"	10'-10"	11'-4"	18'-10"	10'-10"	17'-2"	16'-10"	12,800	10	1,000	1	1,500	0.33	1,280	1.5" NPT
BO-10-10-10-SE	10'-0"	10'-0"	10'-0"	12'-10"	11'-4"	17'-0"	10'-10"	17'-2"	10'-10"	10,000	10	1,000	1	1,000	0.33	1,000	1" NPT
BO-10-10-12-SE	10'-0"	10'-0"	12'-0"	12'-10"	11'-4"	19'-6"	10'-10"	17'-2"	12'-10"	12,000	10	1,000	1	1,500	0.33	1,200	1.5" NPT
BO-10-10-14-SE	10'-0"	10'-0"	14'-0"	12'-10"	11'-4"	21'-6"	10'-10"	17'-2"	14'-10"	14,000	10	1,350	1	1,500	0.33	1,400	1.5" NPT

Alternative Configurations: Double Entry (DE)