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and
Supplies**

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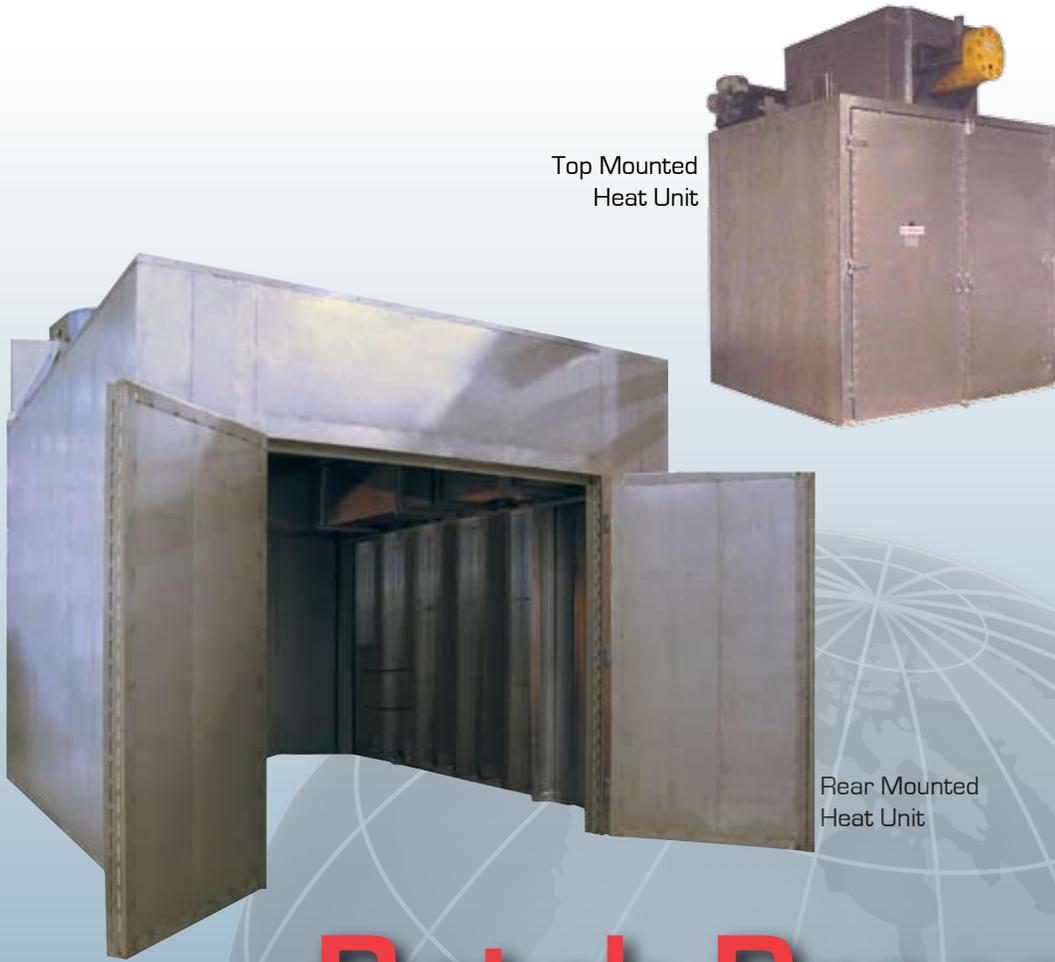
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Top Mounted
Heat Unit

Rear Mounted
Heat Unit

Batch Process Ovens

APPLICATIONS:

Batch Process Ovens have numerous industrial applications which include, but are not limited to:

- Drying
- Curing
- Baking
- Bonding
- Preheating

DEPENDABLE HEATING FOR A VARIETY OF TASKS

In today's marketplace, resources are always limited, contracts are hard to come by and floor space is at a premium. That makes versatility a prime consideration when buying equipment. GFS is a leader in heat transfer technology and manufactures Batch Process Ovens that provide an economical solution for a variety of industrial processes. Our batch process ovens feature the uni-flow air distribution system, the supply air plenums are located on both sides of the oven. The hot air exiting the plenum is pulled across and up through the part to the return air opening located in the heater box.

OVEN SELECTION CHART

Model	Dimensions								Cubic Ft.	Recirculation		Air Change	Burner	Exhaust	
	Interior Dimensions			Exterior Dimensions (Includes Heater Box)						CFM	HP	Per Min.	(B.T.U.)	CFM	HP
	Width	Height	Length	Width	Rear Mount		Top Mount								
Height					Length	Height	Length								
5 Ft. Width															
GBO-050605	5	6	5	9'-10"	10'-0"	9'-8"	n/a	n/a	150	3,000	5	20	500,000	500	1
GBO-050606	5	6	6	9'-10"	10'-0"	10'-8"	n/a	n/a	180	3,000	5	16	500,000	500	1
GBO-050608	5	6	8	9'-10"	10'-0"	12'-8"	12'-11"	9'-1"	240	4,500	7 1/2	18	500,000	500	1
GBO-050610	5	6	10	9'-10"	10'-0"	14'-8"	12'-11"	11'-1"	300	4,500	7 1/2	15	500,000	500	1
GBO-050612	5	6	12	9'-10"	10'-0"	16'-8"	12'-11"	13'-1"	360	4,500	7 1/2	12	500,000	500	1
6 Ft. Width															
GBO-060606	6	6	6	10'-10"	11'-0"	10'-8"	n/a	n/a	216	4,500	7 1/2	20	500,000	750	1
GBO-060608	6	6	8	10'-10"	11'-0"	12'-8"	12'-11"	9'-1"	288	4,500	7 1/2	15	500,000	750	1
GBO-060610	6	6	10	10'-10"	11'-0"	14'-8"	12'-11"	11'-1"	360	4,500	7 1/2	12	500,000	750	1
GBO-060612	6	6	12	10'-10"	11'-0"	16'-8"	12'-11"	13'-1"	432	7,000	7 1/2	16	1,000,000	1000	1
GBO-060706	6	7	6	10'-10"	11'-0"	10'-8"	11'-0"	10'-8"	252	4,500	7 1/2	17	500,000	750	1
GBO-060708	6	7	8	10'-10"	11'-0"	12'-8"	13'-11"	9'-1"	336	4,500	7 1/2	13	500,000	750	1
GBO-060806	6	8	6	10'-10"	13'-0"	12'-3"	n/a	n/a	288	4,500	7 1/2	15	500,000	750	1
GBO-060808	6	8	8	10'-10"	13'-0"	14'-3"	14'-11"	9'-1"	384	4,500	7 1/2	11	500,000	750	1
GBO-060810	6	8	10	10'-10"	13'-0"	16'-3"	16'-6"	11'-1"	480	7,000	7 1/2	14	1,000,000	1000	1
GBO-060812	6	8	12	10'-10"	13'-0"	18'-3"	16'-6"	13'-1"	576	7,000	7 1/2	12	1,000,000	1000	1
8 Ft. Width															
GBO-080808	8	8	8	12'-10"	13'-0"	14'-3"	16'-6"	11'-2"	512	7,000	7 1/2	13	1,000,000	1000	1
GBO-080810	8	8	10	12'-10"	13'-0"	16'-3"	16'-6"	11'-2"	640	7,000	7 1/2	10	1,000,000	1000	1
GBO-080812	8	8	12	12'-10"	13'-0"	18'-3"	16'-6"	13'-1"	768	8,600	10	11	1,000,000	1000	1
GBO-080814	8	8	14	12'-10"	13'-0"	20'-3"	16'-6"	15'-1"	896	8,600	10	9	1,000,000	1000	1
GBO-080816	8	8	16	12'-10"	13'-0"	22'-3"	16'-6"	17'-1"	1024	14,000	15	13	1,000,000	1500	2
GBO-080820	8	8	20	12'-10"	13'-0"	24'-3"	16'-6"	21'-1"	1280	14,000	15	10	1,000,000	1500	2
GBO-081008	8	10	8	12'-10"	15'-0"	14'-3"	18'-6"	11'-2"	640	7,000	7 1/2	10	1,000,000	1000	1
GBO-081010	8	10	10	12'-10"	15'-0"	16'-3"	18'-6"	11'-2"	800	8,600	10	10	1,000,000	1000	1
GBO-081012	8	10	12	12'-10"	15'-0"	18'-3"	18'-6"	13'-1"	960	8,600	10	8	1,000,000	1000	1
GBO-081014	8	10	14	12'-10"	15'-0"	20'-3"	18'-6"	15'-1"	1120	14,000	15	12	1,000,000	1500	2
GBO-081016	8	10	16	12'-10"	15'-0"	22'-3"	18'-6"	17'-1"	1280	14,000	15	10	1,000,000	1500	2
10 Ft. Width															
GBO-101010	10	10	10	14'-10"	15'-0"	16'-3"	18'-6"	11'-2"	1000	14,000	15	14	1,000,000	1500	2
GBO-101012	10	10	12	14'-10"	15'-0"	18'-3"	18'-6"	13'-1"	1200	14,000	15	11	1,000,000	1500	2
GBO-101014	10	10	14	14'-10"	15'-0"	20'-3"	18'-6"	15'-1"	1400	14,000	15	10	1,000,000	1500	2

- Most Models are available with a Top or Rear Mount Heater Box with a Solid Back or Drive Thru option.

Sample Model # with options:

Model # GBO-080810-T-SB (Top Mount w/Solid Back)
 T-DT (Top Mount w/Drive Thru)
 R-SB (Rear Mount w/Solid Back)

- Standard temperature range is 300°F to 500°F, consult factory for other settings.
- Gas connection size is 1", gas supply pressure from 1 PSIG to 5 PSIG.
- Custom sizes are available

Field assembly required, factory assembly optional on some models, consult factory.

Heater box assembled, pre-fired and tested at factory. Final adjustments required after assembly and upon start-up.

OVEN CONSTRUCTION

- All GFS Batch Process Ovens are designed and include adjustable baffles whereby the air velocity (air movement through the oven) can be balanced for uniformed temperature and air-flow. This is a key GFS built-in feature.
- Each oven is fabricated from 4" thick panels, insulated with heavy duty Mineral Wool to minimize heat loss.
- Panels are 20 gauge aluminized steel designed with a tongue and groove system for easy interfacing and accurate assembly.
- Oven support structure consists of I-Beam columns and beams with bolt together assembly.

Standard Features:

- Natural Gas or Propane
- Operating Temperature to 500°F
- FM/IRI
- Built to NFPA-86 Standards
- Diagnostic Display
- Digital set Point Controller
- Cycle Timer
- Uni-Flow Air Distribution
- Intake Air Filter
- Auto Cool Down
- Top or Rear Mount Heat Chamber

Options:

- Chart recorder
- Programmable temperature controller
- Electric operation
- Sheet metal or insulated floor
- Exhaust fan transition and exhaust components
- Oven cart / Truck tracks
- Customized controls
- Flame safeguard diagnostic display
- Door limit switches
- Remote access modem

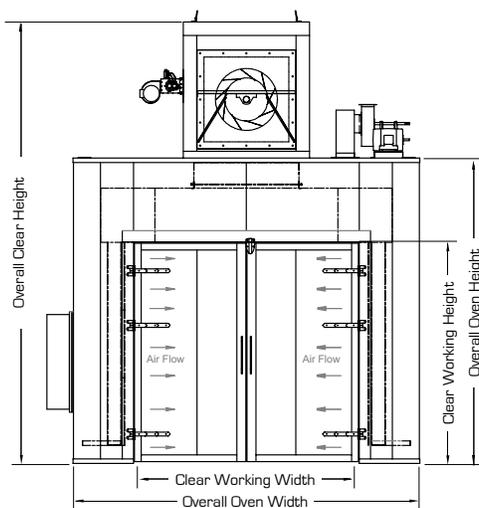


Controls

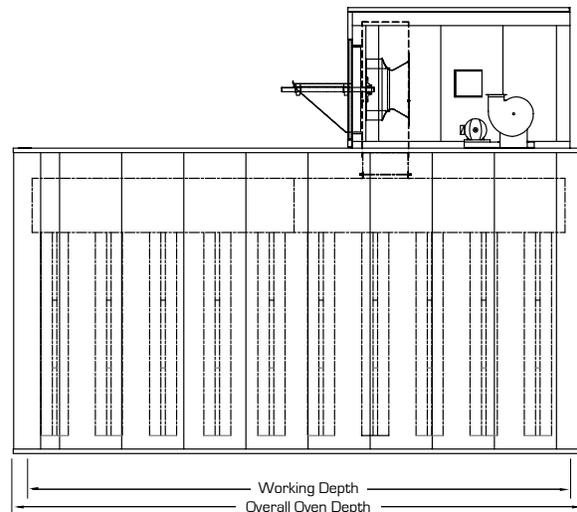
Clear displays and precise control mechanisms through use of the latest in PLC technology, our control panels provide operators with ability to monitor all stages of oven operation. Panels can be accessed remotely via an optional modem.

Top Mounted - Drive Thru

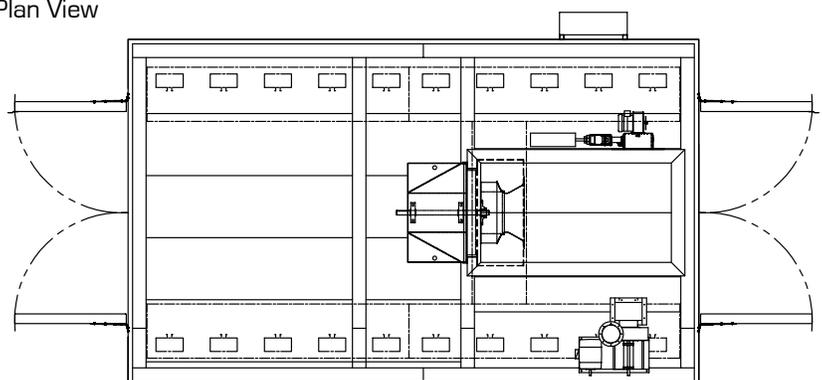
Front View



Side View



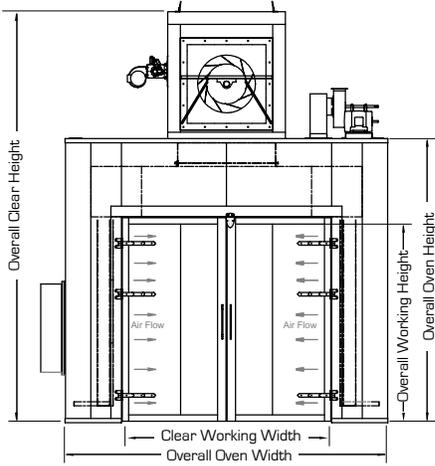
Plan View



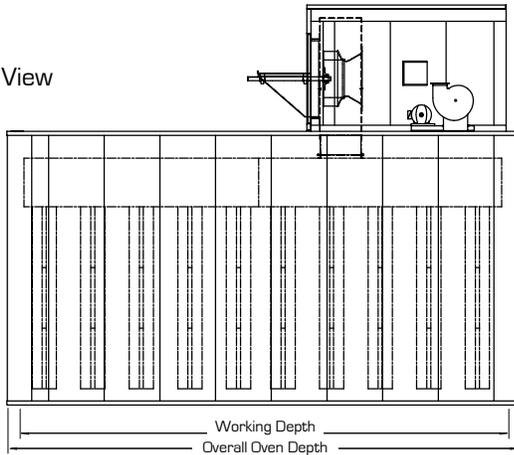
Global Finishing Solutions

Top Mounted - Solid Back

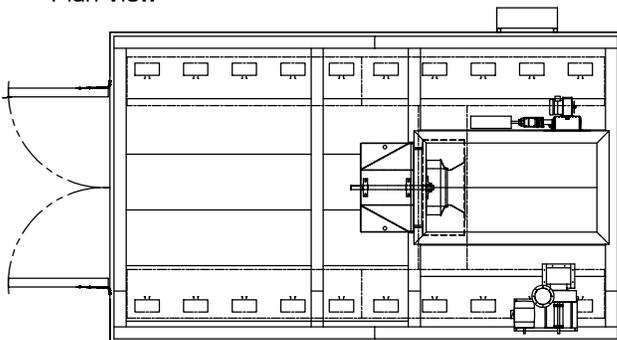
Front View



Side View

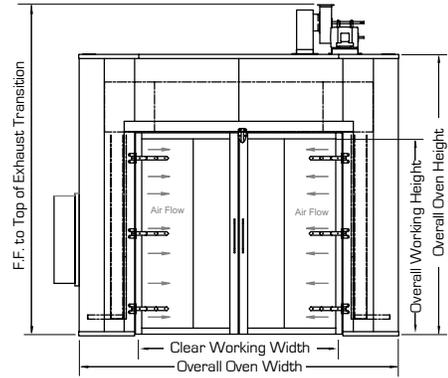


Plan View

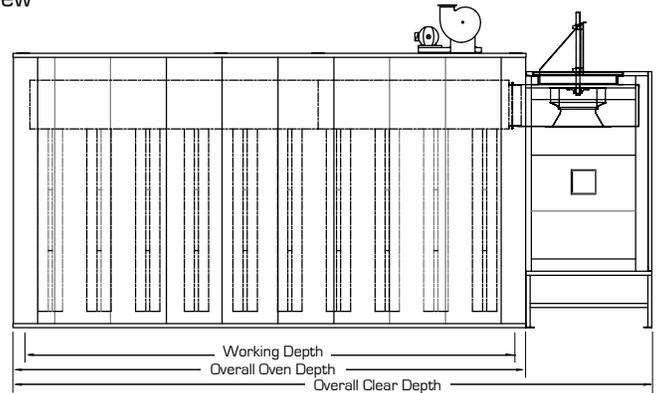


Rear Mounted - Solid Back

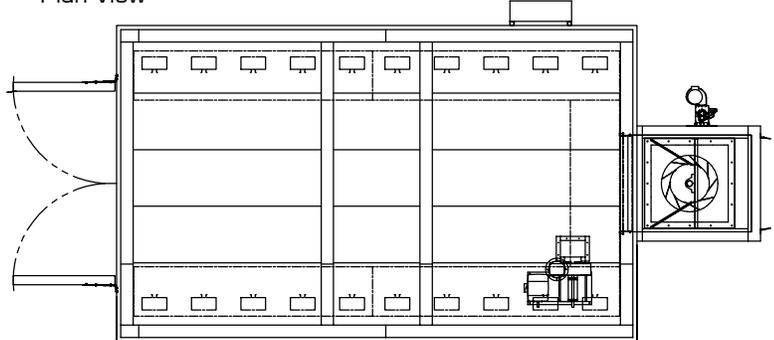
Front View



Side View



Plan View



All designs, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is informational in nature and shall not be construed to warrant suitability of the unit for any particular purpose as performance may vary with the conditions encountered.



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