



GLOBAL FINISHING SOLUTIONS

# Batch Process Ovens

- Drying
- Curing
- Baking
- Preheating



# Batch Process Ovens

## OVEN MODELS

Model No.	Dimensions								Air Change (min.)	Burner Size		Recirculation Fan			Cubic Ft.	Exhaust Fan		
	Interior Dimensions			Exterior Dimensions (Includes Heater Box)														
	Width	Height	Length	Width	Rear-Mount		Top-Mount			B.T.U.'s (000)	K.W.'s	CFM	Size	HP		CFM	Duct Size	HP
5 Ft Wide Ovens																		
GB0-050605	5'-0"	6'-0"	5'-0"	7'-9"	7'-10"	11'-2"	n/a	n/a	12.0	500	150	1800	14"	2	150	500	6"	0.5
GB0-050606	5'-0"	6'-0"	6'-0"	7'-9"	7'-10"	12'-2"	n/a	n/a	10.0	500	150	1800	14"	2	180	500	6"	0.5
GB0-050608	5'-0"	6'-0"	8'-0"	7'-9"	7'-10"	14'-2"	11'-5"	9'-9"	10.0	500	150	2400	14"	2	240	500	6"	0.5
GB0-050610	5'-0"	6'-0"	10'-0"	7'-9"	7'-10"	16'-2"	11'-5"	11'-9"	12.0	500	150	3600	16"	5	300	750	8"	0.5
GB0-050612	5'-0"	6'-0"	12'-0"	7'-9"	7'-10"	18'-2"	11'-5"	13'-9"	10.0	500	150	3600	16"	5	360	750	8"	0.5
6 Ft Wide Ovens																		
GB0-060606	6'-0"	6'-0"	6'-0"	8'-9"	7'-10"	12'-2"	n/a	n/a	11.1	500	150	2400	14"	2	216	500	6"	0.5
GB0-060608	6'-0"	6'-0"	8'-0"	8'-9"	7'-10"	14'-2"	11'-5"	9'-9"	12.5	500	150	3600	16"	5	288	750	8"	0.5
GB0-060610	6'-0"	6'-0"	10'-0"	8'-9"	7'-10"	16'-2"	11'-5"	11'-9"	10.0	500	150	3600	16"	5	360	750	8"	0.5
GB0-060612	6'-0"	6'-0"	12'-0"	8'-9"	7'-10	18'-2"	11'-5"	13'-9"	12.0	1,000	288	5200	18"	5	432	1000	8"	0.5
GB0-060706	6'-0"	7'-0"	6'-0"	8'-9"	8'-10"	12'-4"	n/a	n/a	9.5	500	150	2400	14"	2	252	500	6"	0.5
GB0-060708	6'-0"	7'-0"	8'-0"	8'-9"	8'-10"	14'-2"	12'-5"	9'-9"	10.7	500	150	3600	16"	5	336	750	8"	0.5
GB0-060806	6'-0"	8'-0"	6'-0"	8'-9"	13'-5"	7'-9"	n/a	n/a	12.5	500	150	3600	16"	5	288	750	8"	0.5
GB0-060808	6'-0"	8'-0"	8'-0"	8'-9"	9'-10"	14'-2"	13'-5"	9'-9"	9.4	500	150	3600	16"	5	384	750	8"	0.5
GB0-060810	6'-0"	8'-0"	10'-0"	8'-9"	9'-10"	16'-3"	13'-5"	11'-9"	10.8	1,000	288	5200	18"	5	480	1000	8"	0.5
GB0-060812	6'-0"	8'-0"	12'-0"	8'-9"	n/a	n/a	13'-5"	13'-9"	11.1	1,000	288	6400	18"	7.5	576	1000	8"	0.5
8 Ft Wide Ovens																		
GB0-080808	8'-0"	8'-0"	8'-0"	10'-9"	9'-10"	14'-3"	13'-5"	9'-9"	10.2	1,000	288	5200	18"	5	512	1000	8"	0.5
GB0-080810	8'-0"	8'-0"	10'-0"	10'-9"	9'-10"	16'-3"	13'-5"	11'-9"	10.0	1,000	288	6400	18"	7.5	640	1500	10"	1
GB0-080812	8'-0"	8'-0"	12'-0"	10'-9"	9'-10"	18'-3"	13'-5"	13'-9"	12.5	1,000	288	9600	22"	10	768	1500	10"	1
GB0-080814	8'-0"	8'-0"	14'-0"	10'-9"	9'-10"	20'-3"	13'-5"	15'-9"	10.7	1,000	288	9600	22"	10	896	1500	10"	1
GB0-080816	8'-0"	8'-0"	16'-0"	10'-9"	9'-10"	22'- 3"	14'-6"	17'-9"	11.7	1,500	420	12000	25"	10	1024	2000	12"	1.5
GB0-080818	8'-0"	8'-0"	18'-0"	10'-9"	9'-10"	24'-3"	14'-6"	19'-9"	10.4	1,500	420	12000	25"	10	1152	2000	12"	1.5
GB0-080820	8'-0"	8'-0"	20'-0"	10'-9"	9'-10"	26'-3"	14'-6"	21'-9"	10.9	1,500	420	14000	28"	10	1280	2500	14"	1.5
GB0-081008	8'-0"	10'-0"	8'-0"	10'-9"	11'-10"	14'-3"	15'-5"	9'-9"	10.0	1,000	288	6400	18"	7.5	640	1500	10"	1
GB0-081010	8'-0"	10'-0"	10'-0"	10'-9"	11'-10"	16'-3"	15'-5"	11'-9"	12.0	1,000	288	9600	22"	10	800	1500	10"	1
GB0-081012	8'-0"	10'-0"	12'-0"	10'-9"	11'-10"	18'-3"	15'-5"	13'-9"	10.0	1,000	288	9600	22"	10	960	2000	12"	1.5
GB0-081014	8'-0"	10'-0"	14'-0"	10'-9"	11'-10"	20'-3"	16'-6"	15'-9"	10.7	1,500	420	12000	25"	10	1120	2000	12"	1.5
GB0-081016	8'-0"	10'-0"	16'-0"	10'-9"	11'-10"	22'-3"	16'-6"	17'-9"	10.9	1,500	420	14000	25"	10	1280	2500	14"	1.5
GB0-081018	8'-0"	10'-0"	18'-0"	10'-9"	11'-10"	24'-3"	16'-6"	19'-9"	9.7	2,000	585	14000	28"	10	1440	2500	14"	1.5
GB0-081020	8'-0"	10'-0"	20'-0"	10'-9"	11'-10"	26'-3"	16'-6"	21'-9"	12.5	2,000	585	20000	32"	15	1600	3000	14"	1.5
10 Ft Wide Ovens																		
GB0-101008	10'-0"	10'-0"	8'-0"	12'-9"	11'-10"	14'-3"	16'-6"	9'-9"	12.0	1,000	288	9600	22"	10	800	1500	10"	1
GB0-101010	10'-0"	10'-0"	10'-0"	12'-9"	11'-10"	16'-3"	16'-6"	11'-9"	12.0	1,000	288	12000	25"	10	100	2000	12"	1.5
GB0-101012	10'-0"	10'-0"	12'-0"	12'-9"	11'-10"	18'-3"	16'-6""	13'-9"	11.7	1,500	420	14000	28"	10	1200	2000	12"	1.5
GB0-101014	10'-0"	10'-0"	14'-0"	12'-9"	11'-10"	20'-3"	16'-6"	15'-9"	10.0	1,500	420	14000	28"	10	1400	2500	14"	1.5
GB0-101016	10'-0"	10'-0"	16'-0"	12'-9"	11'-10"	22'-3"	16'-6"	17'-9"	12.5	2,000	585	20000	32"	15	1600	3000	14"	1.5
GB0-101018	10'-0"	10'-0"	18'-0"	12'-9"	11'-10"	24'-3"	16'-6"	19'-9"	11.1	2,000	585	20000	32"	15	1800	3000	14"	1.5
GB0-101020	10'-0"	10'-0"	20'-0"	12'-9"	11'-10"	26'-3"	16'-6"	21'-9"	10.0	2,000	585	20000	32"	25	2000	3000	14"	1.5

Most models are available with a top-mounted or rear-mounted heat chamber with a solid back or drive-thru option

# Batch Process Ovens

## STANDARD OVEN CONSTRUCTION & FEATURES

As a leader in heat transfer technology, GFS manufactures a Batch Process Oven with a compact design, providing an economical solution for space limitations. The uni-flow air distribution system circulates heated air on both sides of the oven for a balanced, uniform temperature throughout, resulting in a quality finish for your products.

- All GFS Batch Process Ovens are built to NFPA 86 standards
- Adjustable uni-flow air distribution tabs
- 20-gauge aluminized steel, 4" fabricated insulated panels with 4 lbs of heavy-duty mineral wool batt
- Oven support structure consists of 12-gauge formed steel with trouble-free bolt together assembly
- Ovens can be equipped for natural gas or propane
- Most models are available with a top-mounted or rear-mounted heat chamber
- Standard temperature range is 300°F to 500°F; consult factory for other settings
- Gas supply pressure from 2 PSIG to 5 PSIG
- Airflow switches and interlocks
- The gas manifold assembled by GFS features valving that meets FM insurance requirements



### UNI-FLOW AIR DISTRIBUTION

The uni-flow air distribution system with adjustable air distribution tabs circulates heated air on both sides of the oven for a balanced, uniform temperature throughout.

### HEAVY-DUTY, INSULATED PANELS

GFS manufactures our oven panels to ensure quality. Each oven panel is constructed of 20-gauge aluminized steel, with 4 inches of 4 lb mineral wool batt for heat retention.

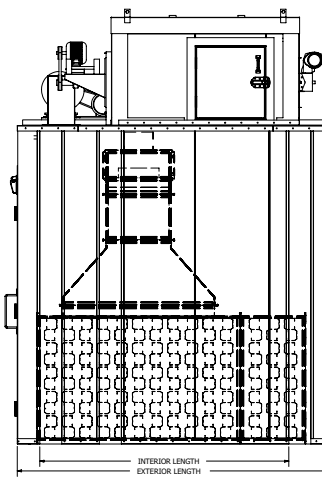
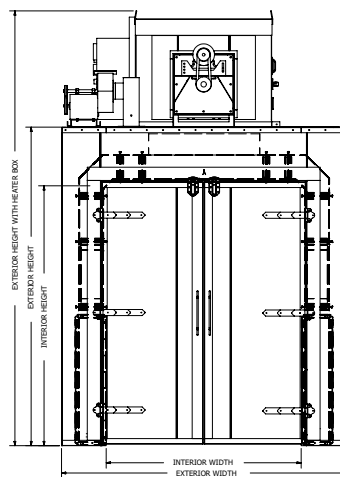


Each oven panel has tongue-and-groove edges with 20-gauge slotted channels for precise assembly.

## OPTIONS:

- Sheet metal floor or insulated floor
- Exhaust duct components
- Oven cart or truck tracks
- Door limit switches
- Electric heat
- White pre-coated panels

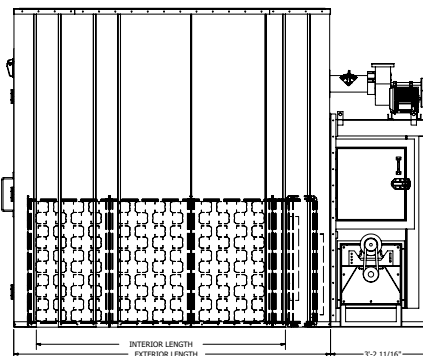
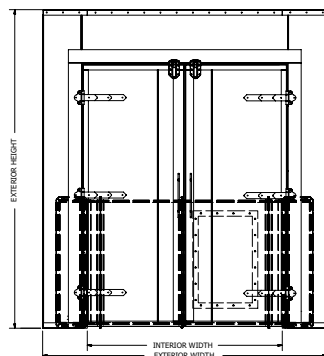
### TOP-MOUNTED HEATER



### REAR-MOUNTED HEATER

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.



Sample Drawings

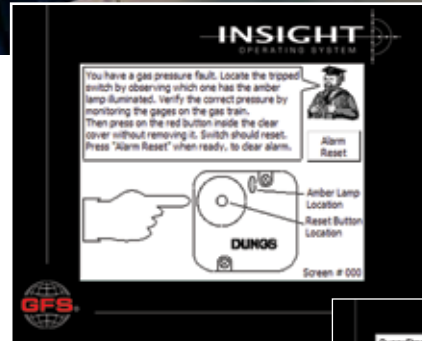
# INSIGHT CONTROL PANEL

## FEATURES

GFS' Batch Process Oven comes standard with the INSIGHT control panel. This PLC-based control system continuously monitors all systems for safety and function. The simplistic setup and operating screens, along with built-in help screens, provide the operator with the current status of the oven.

The remote operator station comes standard with a pre-wired cable assembly for fast, easy wiring between the operator and the control panel.

- NEMA Type 1 industrial panel with door mounted disconnect switch.
- Operator remote control station with 5.7" black & white touch screen.
- Complete control panel is UL 508A listed for flame control.
- Choice of continuous run or batch control.
- Easy pop-up screens for setting temperatures, and batch cycle times.
- Digital display of set point temperature, and current process temperature.
- Digital display of batch set time, and time remaining.
- Intuitive pop-up screens of current changing operations, and faults.
- Access to the Professor help functions.



## OPTIONS

- Ramp Soak Recipe Control. This option allows the operator to set up to 4 segments of time and temperature. Using this control option, the operating system will ramp up to a set temperature, and soak at this temperature for a set time duration, before moving on to the next segment.
- Ramp Control. Allows the operator to set a temperature and time to reach the set temperature. At the end of the ramp to set point control, the system will continue to operate to a set time duration before going into an end-of-cycle control.
- Push Button Control. Mechanical push buttons for System Stop/Start, and Batch Control.
- Paperless Charting. Paperless chart recording of time and temperatures in a batch. Information can be downloaded for permanent record.
- Remote operator station with 10" color HMI.
- End-of-Cycle Alarm: This option includes a stack light that will indicate an end of a batch cycle, and an audible alarm that can be acknowledged and silenced if desired.

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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