

# STANDARD JBF BATCH OVEN

## CONSTRUCTION

- The standard oven consists of a recirculation fan, burner assembly, and steel welded frame to support the fan, inlet cone, fan scroll and heater assembly.

- Oven housing and recirculation fan chamber will be constructed of standard tongue and groove satin coat oven panels. The panel channel that holds the inside and outside skins together is specially constructed to minimize heat transfer from the inside to the outside panel. These panels are commonly filled with #4 pound insulation and are spot welded construction, 4" thick, and consist of #20 gauge satin coat sheet steel inside and outside.



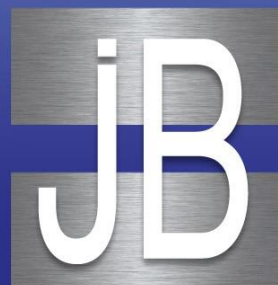
The panels will be insulated with mineral wool bats, 4" thick, when compressed into the panel, will be firmly held to prevent the usual settling due to vibration, thus avoiding an un-insulated space at the top of the panels through special construction.

This type of panel construction provides great rigidity and strength and allows a minimum of heat loss by conduction through the panel seams.

- All outside wall corners of the oven will be one piece construction. All outside top corners of the oven will be covered with corner flashing.
- The supply ductwork will be bottom mounted along both sides of the oven, approximately 6 feet long.
- On oven end to have a pair of insulated access doors, complete with heavy-duty hinges to support the weight of the insulated door and explosion latch. The typical doors will be 3'-0" wide x 7'-0" high approximately.
- The NFPA – 86 explosion relief requirements are met by providing self-release Brixon latches on the product doors.
- The Electrical control panel will have Honeywell flame scanner complete with Allan Bradley electrical components or equivalent.
- Safety airflow switches are interlocked and will monitor the recirculation fan, combustion air blower and exhaust fan operation.
- The equipment will be shipped assembled. The exhaust fan will be installed on site and will take approximately one day. On site for commission of the system.



FEATURE/ITEM	JBF BATCH OVEN	COMPETITOR/KNOCK-DOWN OVEN
Installation and Assembly Costs	Factory welded assembly for higher performance included. Professionally welded and shipped in one piece. Simple installation involves electrical and gas hookup only.	Shipped in pieces requiring experienced technician for assembly and electrical and mechanical installation.
ESA Certification	Included	Field evaluation required
Refurbishing Costs	Not required	*Additional costs to meet TSSA (gas) standards
Operational Savings over first 5 years	5 minute shorter cycle time provides fuel savings	5 Minutes longer cycle time wastes fuel
Total costs including minimum fuel consumption savings		
Benefits of Reduced Cycle Time	8 cycles per shift	8 cycles per shift
Productivity	Option of 1 additional cycle per shift at <i>no incremental labor or fuel cost</i> with 14% higher productivity, without additional costs	No additional cycle times
Parts	Only name brand, easily sourced. Fewer part replacements required	Use foreign parts , non conforming to Canadian regulations Difficult to identify and source
Heat distribution	Uniform heat distribution	Varied heat distribution
Oven lifespan	15+ years	Unknown
Post sale support	Full electrical schematics included	Optional schematics
Operations Manual	Operations manual included Use of proper start up and shut down procedures extends life of the oven Replacement parts are easily identified in the manual for faster parts sourcing on service	Optional
Warranty	1 year manufacturer warranty included	Varies
<p><b>Conclusion:</b> JBF Batch oven is far superior to the competition and will actually lower your total cost of operation, providing higher quality, consistent finish with uniformed heat consistency and longer oven life</p> <p><b>JBF Batch Oven Savings \$3,500 over the first 5 years</b></p>		



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Complete Paintline Systems