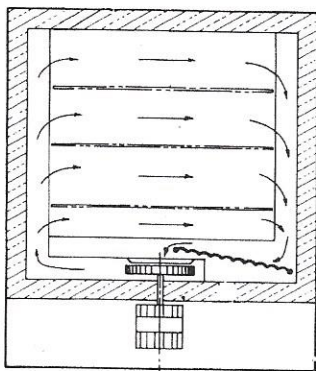


LND

Power Plus for Inert Atmospheres



Airflow Pattern in
LND Series Ovens

AT A GLANCE

Model Available: 4.2 cubic feet.

Maximum temperature: 316°C (600°F).

Airflow: Horizontal Forced Recirculating.

Distinctive Features: Digital Control, Manual Reset Hi-Limit, Stainless Steel Interior. Inert atmosphere capabilities.

INNERSPACE

An economical method for processing high quality loads that require inert atmospheres. Used in applications to prevent oxidation of parts being processed.

AERO DYNAMICS

Forced convected heat allows work to be processed efficiently even when densely loaded because airflow enters the chamber in a uniform manner.

OXYGEN-FREE PERFORMANCE

Effective design features have been incorporated into the LND to increase its ease of operation as well as its efficiency in specific lab applications:

- Purge flow meter with a 20-200 SCFH range and a maintain flow meter with a 10-100 SCFH. A 3-way nitrogen valve allows for easy setting—from Off to Purge or Maintain levels.
- A water cooling coil is included for the cooldown stage or for operating at lower temperatures.

- Digital Controller and Manual Reset Hi-Limit Control protects the chamber's workload as well as the oven itself.
- Stainless steel interior affects ease of cleaning and the SilverClay™ enamel baked exterior matches any lab environment.
- Five year warranted heater.
- Designed for easy installation and convenient service.

Warning:

LND ovens are not to be used with flammable solvents, materials or enclosed containers. If your process involves flammable solvents, see the LFD model.

Note:

Despatch maintains an inventory of every model. Under most circumstances, they can be shipped within 5 days.

Optional accessories and customized versions can meet most reasonable delivery parameters. Ask about our RUSH capabilities.

Vision • Fusion • Solutions

Despatch

Typical Specifications

\$17695 - 2-3 wks ARO or sooner

MODEL	Chamber Size in (cm)			Capacity feet ³ (liters)	Overall Size in (cm)			Electrical 50/60 Hz-1 Ph			Shelves Provided on Shelf Centers	Maximum Number of Shelves
	W	D	H		W	D	H	Total VOLTS	AMPS	Heater KW		
LND 1-42	20 (51)	18 (46)	20 (51)	4.2 (119)	32 (81)	28 (71)	44 (120)	240*	14.6	3	2 on 2"	8

*Will operate satisfactorily on 208V with a 25% reduction in heater capacity.

OPTIONAL ACCESSORIES: LND

Despatch uses a modular concept in popular control accessories. You no longer need to be limited by accessories available on certain models or by accessories you don't need. Those accessories indicated as kits are available for field mounting. Installation is quick and easy. All electrical connections are made by means of a plug. A maximum of 2 kits can be mounted. If more modular accessories are required, please consult the local sales office or factory.

See pages 23-24 for additional details on all accessories and installation.

- Running Time Meter Kit.
Digital time meter denotes up to 99,999.9 hours of running time.
- Preset Temperature Selector Kit.
- Remote Set Point Interface Kit.
- Signal Timer Kit.
1 hr. analog timer signals with a bell at end of cycle.
- Process Timer Kit—60 min.
6 hr.
12 hr.
Analog timer shuts down heater at end of cycle. Fan continues to run.
- Cooling Coil Piping Kit.
Includes flow meter, shut-off valve, vacuum breaker, check valve, tubing and fittings. Kit provides necessary components for connecting to water cooling coil.
- Stacking Hardware Kit.
- Extra shelves.
- Base cabinet.

Time to Temperature (minutes)	25-100°C	10
	25-200°C	24
	25-316°C	40
Recovery Time Door Open 1 Min. (minutes)	125°C	3
	200°C	4
	316°C	8
Temperature Uniformity at	125°C	±.6°C
	200°C	±1.7°C
	316°C	±2.2°C
Cooling Time, Empty Oven	250°C-60°C	30 min.*
Operating Range	without Water Cooling	97-316°C*
	with Water Cooling	55-316°C*
Control Stability		±0.3°C
Repeatability		±0.5°C
Maximum Load Capacity		150 Lbs.
Maximum Shelf Load		30 Lbs.
Recirculating Fan — CFM		300
	H.P.	1/4
Approx. Weight Lbs (KG) — Net		350 (159)
	Lbs (KG) — Shipping	480 (217)

*Assumes 55°F Max. water temp. at 55 gph

FACTORY INSTALLED OPTIONS

- Digital Process Timer, adjustable range.
3 digit display from .01 second to 999 hours.
Shuts down heater only, fan continues to run. Can also be installed as a kit.
- Microprocessors/controllers for programmed temperature control.
- Recorders—Round or strip charts are available.
Standard round chart recorder is available as a kit which can be field installed.
- Window and light.
- Special features available on request.

Note:

Specifications are subject to change without notice. If the existing specifications differ from yours, ask about our adapting capabilities.