



Model VO914A (above) with painted exterior. VO Series vacuum ovens include digital controls, front-mounted controls for vacuum, gas and vent functions, and shelves (see chart).

Model VO914SA (left) with stainless steel exterior and double (inner/outer) door.

APPLICATIONS

- Vacuum Drying/Baking
- Desiccating
- Embedding
- Outgassing, Solid/Liquid
- Vacuum Storage
- Plating
- Conditioning
- Life Testing
- Quality Control



260°C VACUUM OVENS

Lindberg/Blue M vacuum ovens are designed for drying, curing, outgassing, aging, process control and other applications which require elevated temperature in reduced atmospheres or vacuum/purge with non-flammable and inert atmospheres. Select from three sizes, all with digital microprocessor control, built-in overtemperature protection, and a fully flexible vacuum/purge/release system for a range of uses. Choose from deluxe stainless steel or painted exterior finish.

SPECIFICATIONS

Temperature Range. 6°C above ambient to +260°C.

Uniformity. ±3.5% of setpoint, nominal. Actual performance may vary depending on load size and placement, chamber size, ambient temperature, atmosphere and environmental conditions.

Controller. Single setpoint digital microprocessor control, front-mounted. Simultaneous LED display of setpoint and actual temperature.

Overtemperature. Independent overtemperature safety system factory set with reset pushbutton.

Heating Element. Low watt design for extended life performance.

Vacuum Capability. 1 x 10⁻² torr, (10 microns).

Vacuum System. 1" (25.4 mm) manifold, chamber rear, exterior, connects to pump or in-house vacuum source. Includes inert gas port, vacuum port, and vent port.

Atmosphere. For use with non-flammable, non-corrosive inert gases only. Vacuum gauge, vacuum, gas and vent valves located on front.

Interior. Corrosion resistant stainless steel with aluminum shelves.

Cabinet. Heavy gauge steel construction, dual wall, with fiber-glass insulation for minimum heat loss in walls and door. Painted exterior or deluxe stainless steel finish.

Gasket. High temperature silicone specially molded for positive seal.

Double Door. Solid outer door over inner window door is standard on stainless steel exterior models.

Positive Door Seal. Magnetic latch. VO1824 Series units include mechanical latches.

Viewing Window. Standard ½" thick on all models; permits observation of work in process. VO1824 is ¾" (19 mm) thick.

Shelves. VO914 and VO1218 Series shelves are removable; VO1824 Series shelves are removable on fixed position shelf guides.

Accessories. Pumps, traps, hoses, clamps and fittings may be ordered separately.

Electrical. See specifications for details. Power cord included on all models.

UL Listing. Models V0914A, V0914SA, V01218A, V01218SA.

Specifications, 260°C Vacuum Ovens

Model	Electrical Volts, 50/60 Hz, 1Ø	Watts	Shelves	Cabinet Finish	Doors	Interior Dimensions W X F-B X H in" (mm)	Exterior Dimensions W X F-B X H in" (mm)	Ship Weight lbs (kg)
VO914 Series, 0.65 cu. ft. (18.6 liter) capacity								
VO914A	120V	750	3	Painted	1	9" (229) x 14" (356) x 9" (229)	18" (457) x 23" (584) x 26" (600)	150 (68)
VO914C	208/240V	750	3	Painted	1	9" (229) x 14" (356) x 9" (229)	18" (457) x 23" (584) x 26" (600)	150 (68)
VO914SA	120V	750	3	Stainless	2	9" (229) x 14" (356) x 9" (229)	18" (457) x 23" (584) x 26" (600)	150 (68)
VO1218 Series, 1.5 cu. ft. (42.5 liter) capacity								
VO1218A	120V	1250	3	Painted	1	12" (305) x 18" x (457) x 12" (305)	21" (533) x 26" (660) x 29" (737)	250 (114)
VO1218C	208/240V	1250	3	Painted	1	12" (305) x 18" x (457) x 12" (305)	21" (533) x 26" (660) x 29" (737)	250 (114)
VO1218SA	120V	1250	3	Stainless	2	12" (305) x 18" x (457) x 12" (305)	21" (533) x 26" (660) x 29" (737)	250 (114)
VO1824 Series, 4.5 cu. ft. (127.4 liter) capacity								
VO1824A	120V	1500	2	Painted	1	18" (457) x 24" (610) x 18" (457)	27" (686) x 32" (813) x 35" (889)	325 (148)
VO1824C	208/240V	1500	2	Painted	1	18" (457) x 24" (610) x 18" (457)	27" (686) x 32" (813) x 35" (889)	325 (148)
VO1824SA	120V	1500	2	Stainless	2	18" (457) x 24" (610) x 18" (457)	27" (686) x 32" (813) x 35" (889)	325 (148)
VO1824 Series, High Performance, 4.5 cu. ft. (127.4 liter) capacity								
VO1824HPC	208/240V	3000	3	Painted	1	18" (457) x 24" (610) x 18" (457)	27" (686) x 32" (813) x 35" (889)	325 (148)

Warning: Ovens are not suitable for use with hazardous vapor.

Heat-Up/Cool Down Rates (Nominal) 260°C Vacuum Oven

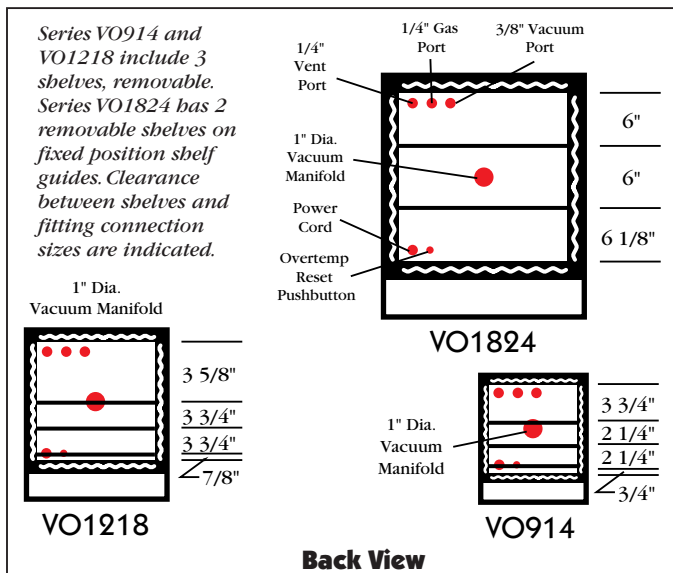
Actual performance will vary according to load, chamber size, sample placement, ambient temperature and atmosphere.

Heat-Up Rate Oven Model/Series

Oven Model Series	VO914	VO1218	VO1824	VO1824HPC
Heat-Up Rate	Min.	Min.	Min.	Min.
ambient to +100°C	32	60	70	30
ambient to +150°C	48	80	110	45
ambient to +200°C	68	142	194	75
ambient to +260°C	96	200	250	N/A

Cool-Down Rate Oven Model/Series

Oven Model Series	VO914	VO1218	VO1824	VO1824HPC
Cool-Down Rate	Min.	Min.	Min.	Min.
+260°C to +200°C	32	55	80	N/A
+200°C to +150°C	45	65	85	85
+150°C to +100°C	63	100	135	135



Vacuum Oven Accessories And Catalog Numbers

Gaskets

Red silicone gaskets are standard. Solvent-resistant Buna-N high temperature gaskets may be ordered for specific applications where silicone is not preferred and temperatures are limited to +150°C.

Door Gasket

Series/Model	VO914	VO1218	VO1824
Silicone (Red)	305994H01	305992H01	305993H01
Buna-N	118974	118977	34637H01

Floor Stand

Cabinet style with door, shelf, latch and lockable casters. 28"W x 30"F-B x 32"H.

Series/Model	VO914	VO1218	VO1824
White	6718	6718	6718
Stainless	6723	6723	6723

Vacuum Pumps

Direct drive, rotary vane mechanical pumps include outlet mist filter, continuous oil return kit, pump oil, 2 meter power cord, rocker switch adjustment for international voltages. Pump Model 6826 rated 2.7 cfm; Model 6827 rated 5.9 cfm. All pumps and accessories ordered separately and require customer installation.

Oven Series/Model	Catalog No.		
	VO914	VO1218	VO1824
Vacuum Pump	6826	6827	6827
Vacuum Pump Replacement Components			
Vacuum Pump Oil	6831	6831	6831
Mist Filter Element	6832	6832	6832
Mist Odor Kit	6833	6833	6833
Overhaul Kit	6835	6835	6835
Blade Kit	6836	6837	6837
Foreline Trap	6828	6828	6828
With activated alumina; prevents backflow of oil vapor into the system.			
Activated Alumina	6834	6834	6834
Connection Kit	118961	118961	118961
Includes NW fittings, centering rings, connectors, vacuum clamps and hose to connect vacuum pump to oven.			