

# Thermo Scientific Lindberg/Blue M Vacuum Ovens

Developed for industrial, life science and general laboratory uses requiring higher performance standards than conventional ovens, Lindberg/Blue M vacuum ovens feature digital controls, laboratory grade cabinet construction and operational features which offer improved safety, quality, convenience and high-drying performance. In addition, exterior options and accessories are available to meet individual lab requirements.

## Key features:

- 3 common chamber sizes from 18.6L to 127.4L
- Temperature range: ambient +6°C to +260°C;
- Heating technology: Jacket heating
- Single setpoint digital microprocessor control, with one ramp to setpoint
- Simultaneous LED display of setpoint and actual temperature with push-button view
- Independent over-temperature safety system factory set with reset push-button
- 25.4 mm / 1 in. manifold at rear of unit connects to pump (not included) or in-house vacuum source, can also be used as port
- Alternative 3/8 in / 9.5mm vacuum connection included
- 1/4 in / 6.4mm inert gas connection for non-flammable, non-corrosive inert gases and separate vent port located on back
- Vacuum, gas and inlet valves conveniently located on front
- Vacuum capability: 1.33 mbar
- Viewing windows: 0.5in. (1.3cm) thick in two smaller capacity models or 0.75in. (1.9cm) thick in 4.5 cu. ft. model; permit observation of work in progress without loss of heat
- Aluminum shelves for fast heat transfer; removable
- High-temperature silicone gasket for a positive seal; Buna N seals available for applications below 150°C that require no silicone
- Magnetic latch door seal. Largest model (VO1824 series) include mechanical latches.
- Models with clean stainless steel outer finish available; solid outer door over inner window door is standard on stainless steel exterior models.



Vacuum and gas control – above door



Model VO1824A-1, closed door



Model VO1824A-1, open door

## Lindberg/Blue M Vacuum Ovens

Cat. No.	Control Details / Display	Temp. Range	Temp. Resolution/ Uniformity	Interior D x W x H	Exterior L x W x H	No. of Shelves	Finish	Electrical	Plug Type	Shipping Weight
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### Capacity 18.6L (0.65 cu. ft.)

<b>VO914A-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	36 × 23 × 23cm (14 × 9 × 9in.)	58 × 46 × 66cm (23 × 18 × 26in.)	3	Painted Steel	120V 50/60Hz 750w	Nema 5-15	68kg (150 lb.)
<b>VO914C-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	36 × 23 × 23cm (14 × 9 × 9in.)	58 × 46 × 66cm (23 × 18 × 26in.)	3	Painted Steel	208/240V 50/60Hz 750w	Nema 6-15	68kg (150 lb.)
<b>VO914SA-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	36 × 23 × 23cm (14 × 9 × 9in.)	58 × 46 × 66cm (23 × 18 × 26in.)	3	Stainless Steel	120V 50/60Hz 750w	Nema 5-15	68kg (150 lb.)

### Capacity 42.5L (1.5 cu. ft.)

<b>VO1218A-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	46 × 31 × 31cm (18 × 12 × 12in.)	66 × 53 × 74cm (26 × 21 × 29in.)	3	Painted Steel	120V 50/60Hz, 1250w	Nema 5-15	113kg (250 lb.)
<b>VO1218C-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	46 × 31 × 31cm (18 × 12 × 12in.)	66 × 53 × 74cm (26 × 21 × 29in.)	3	Painted Steel	208/240V 50/60Hz 1250w	Nema 6-15	113kg (250 lb.)
<b>VO1218SA-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	46 × 31 × 31cm (18 × 12 × 12in.)	66 × 53 × 74cm (26 × 21 × 29in.)	3	Stainless Steel	120V 50/60Hz, 1250w	Nema 5-15	113kg (250 lb.)

### Capacity 127.4L (4.5 cu. ft.)

<b>VO1824A-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	3	Painted Steel	120V 50/60Hz 1500w	Nema 5-15	147kg (325 lb.)
<b>VO1824C-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	3	Painted Steel	208/240V 50/60Hz 1500w	Nema 6-15	147kg (325 lb.)
<b>VO1824SA-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	3	Stainless Steel	120V 50/60Hz, 1500w	Nema 5-15	147kg (325 lb.)
<b>VO1824HPC-1</b>	PID control; single setpoint; dual digital display	Ambient +6° to 260°C	±1°C/ ±3.5°C	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	2	Painted Steel	208/240V 50/60Hz 3000w	Nema 6-15	147kg (325 lb.)

Pump connection: 25.4 mm / 1.0 in

Alternative pump connection: 9.5 mm / 0.38 in.

Inertgas connection: inner diameter 6.4 mm / 0.25 in

Vacuum operation to 20 mbar can be obtained using a singlestage mechanical pump with a free air capacity of 35 liters per minute.

Warranty: 2 years (parts and labor)

Certification: UL (models VO914A-1, VO914SA-1, VO1218A-1, VO1218SA-1 only)

**Ordering alert: Products not available in Europe – no CE.**

## Thermo Scientific Accessories for Lindberg/Blue M Vacuum Ovens

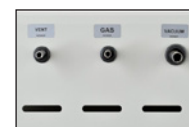
- > Floor stand, cabinet style with door ->see picture, shelf, latch and lockable casters
- > Connection kit – only needed if fittings, clamps, and hose are not supplied with the pump
- > Silicone replacement gaskets
- > Buna-N silicone-free gaskets, for silicone-free applications, for temperatures up to 150° C only



White floor stand



Buna-N silicone-free gasket



Pump/gas connection on the back of the unit

Catalog No	Description	For use with
<b>6718</b>	White Floor Stand	All Lindberg/Blue M vacuum ovens
<b>6723</b>	Stainless-steel Floor Stand	All Lindberg/Blue M vacuum ovens
<b>118961</b>	Connection Kit – includes NW fittings, centering rings, connectors, vacuum clamps and hose to connect vacuum pump to oven.	All Lindberg/Blue M vacuum ovens
<b>305994H01</b>	Silicone replacement gasket (red)	VO914 Series
<b>305992H01</b>	Silicone replacement gasket (red)	VO1218 Series
<b>305993H01</b>	Silicone replacement gasket (red)	VO1824 Series
<b>118974</b>	Buna-N silicone-free gasket, for temperatures up to 150°C only	VO914 Series
<b>118977</b>	Buna-N silicone-free gasket, for temperatures up to 150°C only	VO1218 Series
<b>34637H01</b>	Buna-N silicone-free gasket, for temperatures up to 150°C only	VO1824 Series
<b>IQ/OQ documents available:</b>	English: IOQDOCE89003503 ; French: IOQDOCF89003503	