

# FreeZone® 2.5 Liter Benchtop Freeze Dryers

## Specifications



### Application suitability:

- Light sample loads
- Limited floor space

### All models feature:

- Upright stainless steel collector coil capable of holding 2.5 L of ice before defrosting. Collector lid, 3/4" thick, has neoprene gasket and 3" dia. port to connect drying accessories (sold separately)
- \* Full color, 5" capacitive touch screen with Lyo-Works OS:
  - Real time display of collector temperature, vacuum level and optional End-Zone end point detection
  - Automatic and manual start-up modes for collector cool down and vacuum pull down
  - Vacuum set point, alerts, diagnostic tests, user manual, defrost control and optional drying accessory control
  - Data logging stores and displays data in table or graph format, and may be exported via USB
  - Settings include language (English, Spanish, French, German, or Italian), time, temperature (°C or °F) and vacuum (mBar, Torr or Pa)
  - Alerts can be emailed to user-entered addresses via Ethernet connection
  - Maintenance alert settings for vacuum pump and refrigeration
  - Security lock out
- \* USB port and Ethernet connection
- End-Zone compatible (End-Zone Starter Kit sold separately. See page 48)
- Hot gas defrost with auto shut off at +65° C (+149° F)
- Vacuum control valve
- \* Vacuum break valve

\* Labconco exclusive feature

### \* Patented\* moisture sensor

- Compact benchtop design with a small footprint
- Stainless steel and powder-coated steel exterior
- Quick-disconnect drain hose fitting with hose connector. 18", 1/4" ID silicone tubing and clamp included
- Electrical receptacle for vacuum pump connection
- 3/4" OD vacuum connection, 50" of 3/4" ID vacuum hose and two clamps

### Standards conformance & regulations:

- UL Standard 61010-1 (115/230V, 60 Hz models)
  - CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models)
  - CE Conformity marking (230V, 50 Hz models)
- △ **WARNING:** Cancer - P65Warnings.ca.gov (California only)

### Options include:

- Single 1/3 hp HCFC/CFC-free refrigeration system to cool collector to -50° C (-58° F) or two 1/3 hp HCFC/CFC-free refrigeration systems to cool collector to -84° C (-119° F). Collectors reaching -50° C include acrylic lid. Collectors reaching -84° C include stainless steel lid
- PTFE-coated collector coil and chamber for corrosive compounds
- Region-specific electrical plug configurations

### All models require (not included):

- Vacuum pump with a displacement of at least 98 L/min, 0.007 mBar ultimate pressure and fitting for 3/4" ID vacuum hose. See pages 41-44
- Drying accessory. See pages 34, 36-38
- Freeze dry glassware if not bulk freeze drying. See pages 46, 50



\*U.S. Patent No. 6,968,631

# FreeZone® 2.5 Liter Benchtop Freeze Dryers

## Ordering Information

### Catalog Number Configurator:

Use this key to configure the nine digit catalog number to order your FreeZone 2.5 Liter Benchtop Freeze Dryer.

7  0 2 0  0

Select the **REFRIGERATION TEMPERATURE** of your freeze dryer's collector. This is the second digit of your catalog number.

- 0** = -50° C (-58° F). For samples containing water. Not for use with samples containing acetonitrile, methanol or ethanol. Collector is capable of removing 2 liters of water in 24 hours.\*
- 1** = -84° C (-119° F). For low eutectic point samples containing water or acetonitrile. Not for use with samples containing methanol or ethanol. Collector is capable of removing 2.2 liters of water in 24 hours.\*

Select the **COLLECTOR COIL** and **CHAMBER MATERIAL** of your freeze dryer. This is the sixth digit of your catalog number.

- 1** = Stainless steel
- 2** = PTFE-coated stainless steel

Select the **ELECTRICAL CONFIGURATION** and **PLUG TYPE** of your freeze dryer. These are the eighth and ninth digits of your catalog number.

- 00** = 115V, 60 Hz, with 20A plug for North America
- 10** = 230V, 60 Hz, with plug for North America
- 15** = 230V, 60 Hz, with plug for Saudi Arabia
- 30** = 230V, 50 Hz, with Schuko plug
- 40** = 230V, 50 Hz, with plug for China/Australia
- 50** = 230V, 50 Hz, with plug for Great Britain (UK)
- 70** = 230V, 50 Hz, with plug for India

### Electrical Requirements

Collector Capacity	Refrigeration Temperature	Volts	Amps	Note
2.5 L	-50° C	115	14**	Requires 20 amp dedicated circuit
2.5 L	-50° C	230	7†	
2.5 L	-84° C	115	16**	Requires 20 amp dedicated circuit
2.5 L	-84° C	230	10†	

### Plug Configurations



115V, 60 Hz, 20A  
for North America



230V, 60 Hz  
for North America



230V, 60 Hz  
for Saudi Arabia



230V, 50 Hz  
Schuko



230V, 50 Hz  
for China/Australia



230V, 50 Hz  
for Great Britain (UK)



230V, 50 Hz  
for India

### Actual Dimensions & Shipping Weights

Refrigeration Temperature	Overall Dimensions (w x d x h)	Shipping Weight
-50° C (-58° F)	14.5" x 19.2" x 16.9" (36.8 x 48.8 x 42.9 cm)	120 lbs. (54 kg)
-84° C (-119° F)	14.5" x 24.5" x 16.9" (36.8 x 62.2 x 42.9 cm)	165 lbs. (75 kg)

\*Freeze drying rate will be lower for samples other than shell-frozen plain water. For optimum performance, room temperature should be 21° C (70° F) or colder.

\*\*System amperage shown includes 8 amp maximum vacuum pump rating.

†System amperage shown includes 4.5 amp maximum vacuum pump rating.

# FreeZone® 4.5 Liter Benchtop Freeze Dryers

## Specifications



### Application suitability:

- Light to moderate sample loads
- Limited floor space

### All models feature:

- Upright stainless steel collector coil capable of holding 4.5 L of ice before defrosting. Collector lid, 3/4" thick, has neoprene gasket and 3" dia. port to connect drying accessories (sold separately)
- \* Full color, 5" capacitive touch screen with Lyo-Works OS:
  - Real time display of collector temperature, vacuum level and optional End-Zone end point detection
  - Automatic and manual start-up modes for collector cool down and vacuum pull down
  - Vacuum set point, alerts, diagnostic tests, user manual, defrost control and optional drying accessory control
  - Data logging stores and displays data in table or graph format, and may be exported via USB
  - Settings include language (English, Spanish, French, German, or Italian), time, temperature (°C or °F) and vacuum (mBar, Torr or Pa)
  - Alerts can be emailed to user-entered addresses via Ethernet connection
  - Maintenance alert settings for vacuum pump and refrigeration
  - Security lock out
- \* USB port and Ethernet connection
- End-Zone compatible (End-Zone Starter Kit sold separately. See page 48)
- Hot gas defrost with auto shut off at +65° C (+149° F)
- Vacuum control valve
- \* Vacuum break valve
- \* Patented\* moisture sensor
- \* Labconco exclusive feature

- Compact benchtop design with a small footprint
- Stainless steel and powder-coated steel exterior
- Quick-disconnect drain hose fitting with hose connector. 18", 1/4" ID silicone tubing and clamp included
- Electrical receptacle for vacuum pump connection
- 3/4" OD vacuum connection, 50" of 3/4" ID vacuum hose and two clamps

### Standards conformance & regulations:

- UL Standard 61010-1 (115/230V, 60 Hz models)
  - CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models)
  - CE Conformity marking (230V, 50 Hz models)
- △ **WARNING:** Cancer - P65Warnings.ca.gov (California only)

### Options include:

- Single 1/3 hp HCFC/CFC-free refrigeration system to cool collector to -50° C (-58° F), two 1/3 hp HCFC/CFC-free refrigeration systems to cool collector to -84° C (-119° F) or two 1/2 hp HCFC/CFC-free refrigeration systems to cool collector to -105° C (-157° F) at 60 Hz or -102° C (-152° F) at 50 Hz. Collectors reaching -50° C include acrylic lid. Collectors reaching -84° C or -105° C include stainless steel lid
- PTFE-coated collector coil and chamber for corrosive compounds
- Region-specific electrical plug configurations

### All models require (not included):

- Vacuum pump with a displacement of at least 98 L/min, 0.007 mBar ultimate pressure and fitting for 3/4" ID vacuum hose. See pages 41-44
- Drying accessory. See pages 34, 36-39
- Freeze dry glassware if not bulk freeze drying. See pages 46, 50



\*U.S. Patent No. 6,968,631

# FreeZone® 4.5 Liter Benchtop Freeze Dryers

## Ordering Information

### Catalog Number Configurator:

Use this key to configure the nine digit catalog number to order your FreeZone 4.5 Liter Benchtop Freeze Dryer.

7  0 4 0  0

Select the **REFRIGERATION TEMPERATURE** of your freeze dryer's collector. This is the second digit of your catalog number.

- 0** = -50° C (-58° F). For samples containing water. Not for use with samples containing acetonitrile, methanol or ethanol. Collector is capable of removing 2 liters of water in 24 hours.\*
- 1** = -84° C (-119° F). For low eutectic point samples containing water or acetonitrile. Not for use with samples containing methanol or ethanol. Collector is capable of removing 4 liters of water in 24 hours.\*
- 2** = -105° C (-157° F) at 60 Hz or -102° C (-152° F) at 50 Hz. For low eutectic point samples containing water, acetonitrile or dilute methanol or ethanol. Collector is capable of removing 2.5 liters of water in 24 hours.\*

Select the **COLLECTOR COIL** and **CHAMBER MATERIAL** of your freeze dryer. This is the sixth digit of your catalog number.

- 1** = Stainless steel
- 2** = PTFE-coated stainless steel

Select the **ELECTRICAL CONFIGURATION** and **PLUG TYPE** of your freeze dryer. These are the eighth and ninth digits of your catalog number.

- 00** = 115V, 60 Hz, with 20A plug for North America
- 10** = 230V, 60 Hz, with plug for North America
- 15** = 230V, 60 Hz, with plug for Saudi Arabia
- 30** = 230V, 50 Hz, with Schuko plug
- 40** = 230V, 50 Hz, with plug for China/Australia
- 50** = 230V, 50 Hz, with plug for Great Britain (UK)
- 70** = 230V, 50 Hz, with plug for India

### Electrical Requirements

Collector Capacity	Refrigeration Temperature	Volts	Amps	Note
4.5 L	-50° C	115	14**	Requires 20 amp dedicated circuit
4.5 L	-50° C	230	7†	
4.5 L	-84° C & -105° C	115	16**	Requires 20 amp dedicated circuit
4.5 L	-84° C & -105° C	230	10†	

### Plug Configurations



115V, 60 Hz, 20A for North America



230V, 60 Hz for North America



230V, 60 Hz for Saudi Arabia



230V, 50 Hz Schuko



230V, 50 Hz for China/Australia



230V, 50 Hz for Great Britain (UK)



230V, 50 Hz for India

### Actual Dimensions & Shipping Weights

Refrigeration Temperature	Overall Dimensions (w x d x h)	Shipping Weight
-50° C (-58° F)	16.5" x 22.4" x 18.9" (41.9 x 56.9 x 48.0 cm)	139 lbs. (63 kg)
-84° C (-119° F)	22.5" x 26.5" x 18.5" (57.2 x 67.3 x 47.0 cm)	197 lbs. (89 kg)
-105° C (-157° F)	22.5" x 26.5" x 18.5" (57.2 x 67.3 x 47.0 cm)	205 lbs. (93 kg)

\*Freeze drying rate will be lower for samples other than shell-frozen plain water. For optimum performance, room temperature should be 21° C (70° F) or colder.

\*\*System amperage shown includes 8 amp maximum vacuum pump rating.

†System amperage shown includes 4.5 amp maximum vacuum pump rating.

# FreeZone® 8 Liter -50° C Benchtop Freeze Dryers

## Specifications



### Application suitability:

- Moderate sample loads
- Limited floor space

### All models feature:

- Upright stainless steel collector coil capable of removing 4 L of water in 24 hours and holding 8 L of ice before defrosting. Acrylic collector lid, 3/4" thick, has neoprene gasket and 3" dia. port to connect drying accessories (sold separately)
- Single 3/4 hp HCFC/CFC-free refrigeration system to cool collector to -50° C (-58° F)
- \* Full color, 5" capacitive touch screen with Lyo-Works OS:
  - Real time display of collector temperature, vacuum level and optional End-Zone end point detection
  - Automatic and manual start-up modes for collector cool down and vacuum pull down
  - Vacuum set point, alerts, diagnostic tests, user manual, defrost control and optional drying accessory control
  - Data logging stores and displays data in table or graph format, and may be exported via USB
  - Settings include language (English, Spanish, French, German, or Italian), time, temperature (° C or ° F) and vacuum (mBar, Torr or Pa)
  - Alerts can be emailed to user-entered addresses via Ethernet connection
  - Maintenance alert settings for vacuum pump and refrigeration
  - Security lock out
- \* USB port and Ethernet connection

- End-Zone compatible (End-Zone Starter Kit sold separately. See page 48)
- Hot gas defrost with auto shut off at +65° C (+149° F)
- Vacuum control valve
- \* Vacuum break valve
- \* Patented\*\* moisture sensor
- Compact benchtop design with a small footprint
- Stainless steel and powder-coated steel exterior
- Quick-disconnect drain hose fitting with hose connector. 18", 1/4" ID silicone tubing and clamp included
- Electrical receptacle for vacuum pump connection
- 3/4" OD vacuum connection, 50" of 3/4" ID vacuum hose and two clamps

### Standards conformance & regulations:

- UL Standard 61010-1 (115/230V, 60 Hz models)
- CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models)
- CE Conformity marking (230V, 50 Hz models)
- △ **WARNING:** Cancer - P65Warnings.ca.gov (California only)

### Options include:

- PTFE-coated collector coil and chamber for corrosive compounds
- Region-specific electrical plug configurations

### All models require (not included):

- Vacuum pump with a displacement of at least 98 L/min, 0.007 mBar ultimate pressure and fitting for 3/4" ID vacuum hose. See pages 41-44
- Drying accessory. See pages 34, 36-39
- Freeze dry glassware if not bulk freeze drying. See pages 46, 50



\* Labconco exclusive feature

\*\*U.S. Patent No. 6,968,631

# FreeZone® 8 Liter -50° C Benchtop Freeze Dryers

## Ordering Information

### Catalog Number Configurator:

Use this key to configure the nine digit catalog number to order your FreeZone 8 Liter -50° C Benchtop Freeze Dryer.

7 0 0 8 0  0

Select the **COLLECTOR COIL** and **CHAMBER MATERIAL** of your freeze dryer. This is the sixth digit of your catalog number.

- 1 = Stainless steel
- 2 = PTFE-coated stainless steel

Select the **ELECTRICAL CONFIGURATION** and **PLUG TYPE** of your freeze dryer. These are the eighth and ninth digits of your catalog number.

- 00 = 115V, 60 Hz, with 20A plug for North America
- 10 = 230V, 60 Hz, with plug for North America
- 15 = 230V, 60 Hz, with plug for Saudi Arabia
- 30 = 230V, 50 Hz, with Schuko plug
- 40 = 230V, 50 Hz, with plug for China/Australia
- 50 = 230V, 50 Hz, with plug for Great Britain (UK)
- 70 = 230V, 50 Hz, with plug for India

### Electrical Requirements

Collector Capacity	Refrigeration Temperature	Volts	Amps	Note
8 L	-50° C	115	14*	Requires 20 amp dedicated circuit
8 L	-50° C	230	7**	

### Plug Configurations



115V, 60 Hz, 20A  
for North America



230V, 60 Hz  
for North America



230V, 60 Hz  
for Saudi Arabia



230V, 50 Hz  
Schuko



230V, 50 Hz  
for China/Australia



230V, 50 Hz  
for Great Britain (UK)



230V, 50 Hz  
for India

### Actual Dimensions & Shipping Weights

Refrigeration Temperature	Overall Dimensions (w x d x h)	Shipping Weight
-50° C (-58° F)	22.5" x 26.5" x 18.5" (57.2 x 67.3 x 47.0 cm)	173 lbs. (79 kg)

\*System amperage shown includes 8 amp maximum vacuum pump rating.  
\*\*System amperage shown includes 4.5 amp maximum vacuum pump rating.

# FreeZone® Legacy™ 2.5 Liter Benchtop Freeze Dryers

## Specifications

### Application suitability:

- Light sample loads
- Limited floor space

### All models feature:

- Upright stainless steel collector coil capable of removing 2 L of water in 24 hours and holding 2.5 L of ice before defrosting\*
- 1/3 hp HCFC/CFC-free refrigeration system to cool collector to -50° C (-58° F). For aqueous samples. Not for use with samples containing acetonitrile, methanol or ethanol
- \* LCD displays system operating parameters, set-up parameters and alarm messages. User configured to display vacuum in mBar, Torr or Pa and temperature in °C or °F. Also displays total hours of refrigeration system operation, time since refrigeration system was serviced, total number of hours of vacuum pump operation and time since the vacuum pump was serviced (in hours)
- LED vacuum and temperature “waves” for display of relative system vacuum and collector temperature
- Automatic start-up switch for collector cool-down and vacuum pull-down with manual override switches
- \* Alarm flashes and beeps to indicate an abnormal system event has occurred, including: power failure, improper line voltage supply, collector temperature above -40° C, service vacuum pump (after 1000 hours of vacuum use) and moisture in collector. Pressing the Menu Switch displays the alarm message on the LCD
- RS-232 port to transmit data to a user-supplied computer. Transmission intervals may be user-configured for 10, 30, 60, 300 or 600 seconds
- \* Patented\*\* moisture sensor
- Vacuum control valve
- \* Vacuum break valve
- Compact benchtop design with a small footprint
- Stainless steel and powder-coated steel exterior
- Clear acrylic lid with 3" dia. port for connection of drying accessories (drying accessory sold separately)
- Retractable 9" collector drain hose
- 3/4" OD vacuum connection, three feet of 3/4" ID vacuum hose and two clamps
- Electrical receptacle for vacuum pump connection
- Overall dimensions: 12.6" w x 17.9" d x 16.9" h (32.0 x 45.4 x 42.9 cm)

### Standards conformance & regulations:

- UL Standard 61010-1 (115/230V, 60 Hz models)
  - CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models)
  - CE Conformity marking (230V, 50 Hz models)
- ⚠ **WARNING:** Cancer - P65Warnings.ca.gov (California only)



### Options include:

- PTFE-coated collector coil and chamber for corrosive compounds
- Region-specific electrical plug configurations

### All models require (not included):

- Vacuum pump with a displacement of at least 98 L/min, 0.007 mBar ultimate pressure and fitting for 3/4" ID vacuum hose. See pages 41-44
- Drying accessory with 7 digit catalog number. See pages 36-38
- Freeze dry glassware if not bulk freeze drying. See pages 46, 50



See ordering information at the bottom of page 23.

\*Freeze drying rate will be lower for samples other than shell-frozen plain water. For optimum performance, room temperature should be 21° C (70° F) or colder.

\*\*U.S. Patent No. 6,968,631

\* Labconco exclusive feature

# FreeZone® Legacy™ 6 Liter Benchtop Freeze Dryers

## Specifications



### Application suitability:

- Moderate sample loads
- Limited floor space

### All models feature:

- Upright stainless steel collector coil with clear acrylic lid capable of removing 4 L of water in 24 hours and holding 6 L of ice before defrosting\*
- 3/4 hp HCFC/CFC-free refrigeration system to cool collector to -50° C (-58° F). For aqueous samples. Not for use with samples containing acetonitrile, methanol or ethanol
- \* LCD displays system operating parameters, set-up parameters and alarm messages. User configured to display vacuum in mBar, Torr or Pa and temperature in ° C or ° F. Also displays total hours of refrigeration system operation, time since refrigeration system was serviced, total number of hours of vacuum pump operation and time since the vacuum pump was serviced (in hours)
- LED vacuum and temperature “waves” for display of relative system vacuum and collector temperature
- Automatic start-up switch for collector cool-down and vacuum pull-down with manual override switches
- \* Alarm flashes and beeps to indicate an abnormal system event has occurred, including: power failure, improper line voltage supply, collector temperature above -40° C, service vacuum pump (after 1000 hours of vacuum use) and moisture in collector. Pressing the Menu Switch displays the alarm message on the LCD
- RS-232 port to transmit data to a user-supplied computer. Transmission intervals may be user-configured for 10, 30, 60, 300 or 600 seconds
- \* Patented\*\* moisture sensor
- Vacuum control valve
- \* Vacuum break valve

- Stainless steel and powder-coated steel exterior
- Retractable 9" collector drain hose
- 3/4" OD vacuum connection, three feet of 3/4" ID vacuum hose and two clamps
- Electrical receptacle for vacuum pump connection
- 3" dia. port for connection of drying accessories (drying accessory sold separately)
- Overall dimensions: 31.8" w x 28.1" d x 14.5" h (80.8 x 71.4 x 36.8 cm)

### Standards conformance & regulations:

- UL Standard 61010-1 (115/230V, 60 Hz models)
  - CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models)
  - CE Conformity marking (230V, 50 Hz models)
- △**WARNING:** Cancer - P65Warnings.ca.gov (California only)

### Options include:

- PTFE-coated collector coil and chamber for corrosive compounds
- Region-specific electrical plug configurations

### All models require (not included):

- Vacuum pump with a displacement of at least 98 L/min, 0.007 mBar ultimate pressure and fitting for 3/4" ID vacuum hose. See pages 41-44
- Drying accessory with 7 digit catalog number. See pages 36-39
- Freeze dry glassware if not bulk freeze drying. See pages 46, 50



See ordering information at the bottom of page 23.

\*Freeze drying rate will be lower for samples other than shell-frozen plain water. For optimum performance, room temperature should be 21° C (70° F) or colder.

\*\*U.S. Patent No. 6,968,631

\* Labconco exclusive feature



# Dry Ice Benchtop Freeze Dryer

## Ordering Information

For occasional lyophilization requirements, the Dry Ice Benchtop Freeze Dryer provides a simple, economical means of freeze drying. Dry ice cools alcohol to approximately -75° C (-103° F), which is ideal for processing materials with low eutectic points. Center well for dry ice and solvent serves as a water vapor collector and doubles as a convenient pre-freezing bath.

**7522700—Dry Ice Benchtop Freeze Dryer.** Chamber, 8.8" dia. x 9.8" h (22.2 x 24.8 cm) type 304 stainless steel with 12 valves and capacity of 1 liter. Valves accommodate either 1/2" or 3/4" flask adapters. Includes dry ice/solvent center well with 1.92 liter capacity and cover, 1/2" OD port for connection to vacuum pump and 3/8" OD port for connection to vacuum gauge. **Dry ice, heat transfer solution, vacuum pump, vacuum gauge, tubing and glassware are required (not included).** See pages 41-43 for vacuum pumps and accessories. See pages 46 and 50 for glassware. Shipping weight 11 lbs. (5 kg)

**7814300—Bleed Valve.** Bleeds vacuum when all valves are in use on the Dry Ice Freeze Dryer. 1/2" OD connections. Shipping weight 0.5 lb. (0.2 kg)

**7645900—Neoprene Tubing.** For connecting Dry Ice Freeze Dryer to vacuum pump. 5/16" ID. 3' length. Shipping weight 5 lbs. (2 kg)



**FreeZone® Legacy™ 2.5 Liter Benchtop Freeze Dryers.** See specifications on page 21.

Catalog Number	Electrical Requirements	Receptacle & Plug Type	PTFE-Coated Collector Coil & Chamber	Shipping Weight
7670520	115V, 60 Hz, 14A*	115V, 20A		85 lbs. (39 kg)
7670521	115V, 60 Hz, 14A*	115V, 20A	•	85 lbs. (39 kg)
7670540	230V, 60 Hz, 7A**	North America, 230V		85 lbs. (39 kg)
7670541	230V, 60 Hz, 7A**	North America, 230V	•	85 lbs. (39 kg)
7670530	230V, 50 Hz, 7A**	Schuko		85 lbs. (39 kg)
7670531	230V, 50 Hz, 7A**	Schuko	•	85 lbs. (39 kg)
7670560	230V, 50 Hz, 7A**	British (UK)		85 lbs. (39 kg)
7670561	230V, 50 Hz, 7A**	British (UK)	•	85 lbs. (39 kg)
7670570	230V, 50 Hz, 7A**	China/Australia		85 lbs. (39 kg)
7670571	230V, 50 Hz, 7A**	China/Australia	•	85 lbs. (39 kg)

**FreeZone® Legacy™ 6 Liter Benchtop Freeze Dryers.** See specifications on page 22.

Catalog Number	Electrical Requirements	Receptacle & Plug Type	PTFE-Coated Collector Coil & Chamber	Shipping Weight
7752020	115V, 60 Hz, 16A*	115V, 20A		150 lbs. (68 kg)
7752021	115V, 60 Hz, 16A*	115V, 20A	•	150 lbs. (68 kg)
7752040	230V, 60 Hz, 8A**	North America, 230V		150 lbs. (68 kg)
7752041	230V, 60 Hz, 8A**	North America, 230V	•	150 lbs. (68 kg)
7752030	230V, 50 Hz, 8A**	Schuko		150 lbs. (68 kg)
7752031	230V, 50 Hz, 8A**	Schuko	•	150 lbs. (68 kg)
7752060	230V, 50 Hz, 8A**	British (UK)		150 lbs. (68 kg)
7752061	230V, 50 Hz, 8A**	British (UK)	•	150 lbs. (68 kg)
7752070	230V, 50 Hz, 8A**	China/Australia		150 lbs. (68 kg)
7752071	230V, 50 Hz, 8A**	China/Australia	•	150 lbs. (68 kg)

### Plug Configurations



115V, 60 Hz, 20A  
for North America



230V, 60 Hz  
for North America



230V, 50 Hz  
Schuko



230V, 50 Hz  
for Great Britain (UK)



230V, 50 Hz  
for China/Australia

\*System amperage shown includes 8 amp maximum vacuum pump rating.

\*\*System amperage shown includes 4.5 amp maximum vacuum pump rating.

## Authorised distributor

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### **In Australia:**

For customer service, call 1300-735-292

To fax an order, use 1800-067-639

To email an order, [ordersau@thermofisher.com](mailto:ordersau@thermofisher.com)

### **In New Zealand:**

For customer service, call 0800-933-966

To fax an order, use 0800-329-246

To email an order, [ordersnz@thermofisher.com](mailto:ordersnz@thermofisher.com)

**ThermoFisher**  
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