

CentriVap[®] Complete[™]

Vacuum Concentrators

NEW!



*Protecting your
laboratory environment*

LABCONCO[®]

CentriVap Complete



CentriVap® Complete™ Vacuum Concentrators

The all-in-one CentriVap Complete Vacuum Concentrator houses every component you need to begin processing multiple samples: vacuum concentrator, -50° C cold trap, diaphragm pump, rotor and CentriZap™ strobe light. Just add your samples in the containers of your choice and start concentrating.

Using centrifugal force, vacuum and controlled heat, the CentriVap Complete speeds concentration of samples

used in a variety of applications found in molecular biology, proteomics, genomics, cell biology, microbiology, biochemistry, drug discovery and analytical chemistry. Acid-resistant models are available for corrosive chemical use. Other models feature Heat Boost™, which surrounds the chamber wall, to further speed evaporation of high boiling point solvents.



-50° C Cold Trap included.

Built-in chemical-resistant diaphragm pump included.

Aluminum Rotor included. Holds up to 40 microcentrifuge tubes and 108 each 12-13 mm tubes. Rotor is PTFE*-coated metal with some models.



12-13 mm Rotor 7455101

CentriZap™ strobe light included. Rotor appears to be standing still while rotor is spinning allowing user to view samples while the lid is closed.

Easy-to-read and program LCD display and control panel.



Solvent	Temperature	Dry Time
Acetonitrile	75° C	63 minutes
Methanol	60° C	92 minutes
Water	100° C	188 minutes
Isopropanol	75° C	55 minutes
Ethanol	75° C	61 minutes
Methylene Chloride	45° C	40 minutes

Fast evaporation. Using Rotor 7455100, 30 each 5 ml samples in 13 x 100 mm tubes, and temperature settings noted at left, fast evaporation times were achieved.





Specifications

- Brushed stainless steel and glacier white, epoxy-coated steel exterior with blue accents.
- Glass lid, lid latch with safety sensor, and phenol-free lid gasket.
- Epoxy-coated or PTFE*-coated aluminum chamber, depending on the model.
- 300-watt heater.
- Microprocessor-controlled programming for run time from 1 to 999 minutes, heat from OFF to HI (100° C) in one degree increments, heat time from 1 to 999 minutes, cold trap on/off, and optional Heat Boost on/off. Memory stores 1 to 9 programs.
- LCD for display of program number, actual and set point temperature, heater time remaining, run time remaining, cold trap activation and optional Heat Boost activation. When the cold trap is activated, the LCD flashes Y until the collector coil reaches operating temperature of -40° C (-40° F) at which time the Y glows continuously.
- Control panel with RUN/STOP button, PREHEAT button, COLD TRAP button, optional HEAT BOOST button, set point SELECT button, increase/decrease buttons, and 3 Quick-Start buttons.
- Centrifugal motion provided by a brushless motor capable of achieving up to 1725 rpm.
- Quick-Stop System to stop vacuum pump, open valve to bleed air into the chamber and stop the rotor within seconds after time expires or RUN/STOP button is pressed.
- Built-in diaphragm pump that achieves 7 mBar and has displacement capacity of 38 liters per minute. All wetted parts are PTFE or other chemical-resistant fluoropolymers.
- Automatic vacuum release valve.
- Built-in vacuum delay allows rotor to achieve speed before applying vacuum.
- Audible alarm to signal completion of set point run time.
- HCFC/CFC-free refrigeration system with 1/3 hp compressor lowers cold trap to -50° C (-58° F) in less than 30 minutes.
- 4-liter stainless steel collector and lid with rubber gasket and insulating cover. Collector and lid are Teflon*-coated on Acid-Resistant models.
- Right hand-side mounted 3/8" hose barb drain port with nylon valve.
- Right hand-side mounted gas ballast access port.
- Vacuum port with quick disconnect fitting for 3/8" ID tubing.
- 177 milliliter glass trap.
- Includes 12-13 mm Aluminum Rotor 7455100 or 12-13 mm Teflon*-coated Metal Rotor 7455101, depending on model.
- Includes CentriZap strobe light with holster.
 - ETL & ETL-C listing on 115 and 230 volt, 60 Hz models.
 - CE mark on 230 volts, 50 Hz models.
 - Overall dimensions with closed lid: 26.1" wide x 22.7" deep x 16.9" high (66.4 x 57.7 x 42.9 cm).
 - Actual weight 145 lbs. (66 kg). Shipping weight 170 lbs. (77 kg).

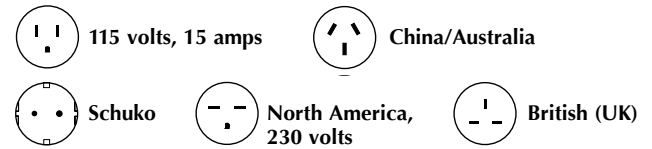
Required Accessories (not included)

- Sample containers.

Optional Accessories

- Rotors. See back page.

Plug Types



Ordering Information

Catalog Number	Electrical Requirements	Plug Type	Heat Boost	Acid-Resistant**
7315020	115 volts, 60 Hz, 12 amps	115 volts, 15 amps		
7315021	115 volts, 60 Hz, 12 amps	115 volts, 15 amps		•
7315022	115 volts, 60 Hz, 12 amps	115 volts, 15 amps	•	
7315023	115 volts, 60 Hz, 12 amps	115 volts, 15 amps	•	•
7315030†	230 volts, 50 Hz, 6 amps	Schuko		
7315031†	230 volts, 50 Hz, 6 amps	Schuko		•
7315032†	230 volts, 50 Hz, 6 amps	Schuko	•	
7315033†	230 volts, 50 Hz, 6 amps	Schuko	•	•
7315040	230 volts, 60 Hz, 6 amps	North America, 230 volts		
7315041	230 volts, 60 Hz, 6 amps	North America, 230 volts		•
7315042	230 volts, 60 Hz, 6 amps	North America, 230 volts	•	
7315043	230 volts, 60 Hz, 6 amps	North America, 230 volts	•	•
7315060†	230 volts, 50 Hz, 6 amps	British (UK)		
7315061†	230 volts, 50 Hz, 6 amps	British (UK)		•
7315062†	230 volts, 50 Hz, 6 amps	British (UK)	•	
7315063†	230 volts, 50 Hz, 6 amps	British (UK)	•	•
7315070†	230 volts, 50 Hz, 6 amps	China/Australia		
7315071†	230 volts, 50 Hz, 6 amps	China/Australia		•
7315072†	230 volts, 50 Hz, 6 amps	China/Australia	•	
7315073†	230 volts, 50 Hz, 6 amps	China/Australia	•	•

*Polytetrafluoroethylene

**Chamber, rotor, collector and collector lid are PTFE-coated.

†International electrical configuration



Accessories

Rotors

Rotors are made of anodized aluminum, PTFE*-coated metal with polypropylene hubs or thermoplastic. Easily interchangeable. The 12-13 mm Rotor 7455100 is included with each CentriVap Complete Concentrator with catalog number ending in "0" or "2." The 12-13 mm Rotor 7455101 is included with each CentriVap Complete Concentrator with catalog number ending in "1" or "3." **Sample containers are not included.** Contact Labconco for ordering information on custom rotors. Shipping weight 2.5 lbs. (1.1 kg)



Hexagonal Rotor
7450700



28 mm Rotor
7455200



4-Place Microtiter
Plate Rotor 7461900



6-Place Microtiter
Plate Rotor 7553000



12-17 mm Rotor
7455000



Pear-shaped Flask
Rotor 7553100



12 x 45 mm Rotor
7824702

Aluminum Rotor Cat. #	PTFE*-coated Rotor Cat. #	Description	Number of Holes	Capacity**	Container Volume†	Container Description	
7450700	7450701	Hexagonal	132	132	1.5 ml	1.5 ml microcentrifuge tubes	
				132	2.0 ml	2.0 ml microcentrifuge tubes	
7455000	7455001	12-17 mm	52	52	2 ml	12.2 x 46.5 mm	
				52	5 ml	13 x 51 mm	
				44	3 ml	12 x 55 mm	
				36	5-6 ml	12 x 75 mm	
				36	5-6 ml	12 x 95 mm	
				36	6 ml	13 x 75 mm	
				36	10 ml	13 x 100 mm	
				24	24	11-15 ml	16 x 100 mm
					18	15-19 ml	16 x 125 mm
					18	14 ml	17 x 95 mm
					18	14 ml	17 x 100 mm
					18	12-15 ml	17 x 120 mm
				7455100	7455101	12-13 mm	40
40	2.0 ml	2.0 ml microcentrifuge tubes					
108	16	3 ml	12 x 55 mm				
	100 ^{††}	5 ml	12 x 75 mm				
	64	5 ml	12 x 95 mm				
	100 ^{††}	6 ml	13 x 75 mm				
7455200	7455201	28 mm	32	32	1.5 ml	1.5 ml microcentrifuge tubes	
				32	2.0 ml	2.0 ml microcentrifuge tubes	
				12	12	40-50 ml	28 x 115 mm
					12	40-50 ml	28 x 135 mm
					12	50 ml	28 x 140 mm
7462900	7462901	DNA	72	72	0.5 ml	0.5 ml microcentrifuge tubes	
				60	1.5 ml	1.5 ml microcentrifuge tubes	
				60	2.0 ml	2.0 ml microcentrifuge tubes	
7461900	7461901	4-Place Microtiter Plate	—	4	—	standard microtiter plates	
				2	—	deep well microtiter plates	
7553000	7553001	6-Place Microtiter Plate	—	6	—	standard microtiter plates	
				3	—	deep well microtiter plates	
7553100	7553101	Pear-Shaped Flask, 100 ml	8	8	100 ml	100 ml pear-shaped flasks	

Thermoplastic Rotor Cat. #	Description	Number of Holes	Capacity**	Container Volume†	Container Description
7824700	12 x 32 mm	66	66	2 ml	auto sample vials, 12 x 32 mm
7824702	15 x 45 mm	56	56	4 ml	auto sample vials, 15 x 45 mm

*Polytetrafluoroethylene

**Rotors do not necessarily hold all the containers described simultaneously.

†Containers should be filled no more than 1/3 to 1/2 of maximum volume to prevent loss of sample during rotation.

††Rotor holds a maximum of 92 each 12 or 13 x 75 mm tubes when 16 each 12 x 55 ml tubes are also loaded.



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