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Refrigerated CentriVac Vacuum Concentrators

The Refrigerated CentriVac Centrifugal Concentrator is designed to rapidly concentrate multiple small heat-sensitive samples, such as RNA and proteins, using centrifugal force, vacuum and controlled temperature. This exclusive concentrator combines a refrigeration system that cools to -4° C with a heater that warms to 100° C to achieve the user's desired set point temperatures.

Use Our Product Selection Tools

[Scout™ Lab Equipment Selector](#)

Let Scout lead you to the right laboratory hood for your application.

Just right for heat-sensitive samples, these centrifugal vacuum concentrators include a -4° C refrigeration system and 100° C heater to rapidly concentrate small samples.

Additional Features & Specifications

Compliance

- UL 3101-1/61010-1
- CAN/CSA C22.2 No. 110.1 (115 V models)
- CE Conformity Marking (230 V models)

Features

- Brushed stainless steel and glacier white, epoxy-coated steel exterior with blue accents.
- Lid latch with safety sensor.
- Phenol-free lid gasket.
- Epoxy-coated aluminum chamber.
- 1/4 hp refrigeration system to cool chamber to -4° C.
- 300-watt heater to heat chamber to +100° C.
- Sensor that reads internal chamber temperature.
- Microprocessor-controlled programming for "Temperature 1" from -4° C to +100° C, "Temperature 1" time from 1 to 999 minutes or indefinite, "Temperature 2" from -4° C to +100° C, and "Temperature 2" time from 0 to 999 minutes or indefinite. Memory stores 1 to 9 programs.
- LCD for display of program number, set point and actual "Temperature 1 and 2," set point and time remaining for "Temperature 1 and 2," and refrigeration activation ("Y" or "N").
- Control panel with RUN/STOP button, PREHEAT/COOL button, set point SELECT button, increase/decrease buttons, and 3 Quick-Start buttons.
- Centrifugal motion is 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.
- Automatic vacuum release valve.

before applying vacuum.

- Audible alarm to signal completion of set point run time.
- 1/2" OD aluminum hose fitting for connection to vacuum tubing. Vacuum pump is not included.
- Vacuum port with quick disconnect fitting for 1/4" ID tubing.
- 115 volt models have a 115 volt electrical receptacle on the back to connect accessory vacuum pump to the system.
- 230 volt models have a reverse IEC electrical receptacle on the back to connect accessory vacuum pump to the system.
- 115 volt models have a 10-foot, 3-wire cord with NEMA 5-20 plug.
- 230 volt models have an 8-foot cord with NEMA 6-20 plug.
- Overall dimensions with closed lid: 14.7" wide x 21.7" deep x 16.6" high (37.3 x 55.1 x 42.2 cm).
- Actual weight 95 lbs. (43 kg). Shipping weight 108 lbs. (49 kg).

Options

- International electrical configuration
- Glass lid

Required Accessories

- Diaphragm or Rotary Vane Vacuum Pump
- CentriVap Cold Trap if using a Rotary Vane Vacuum Pump
- Rotors
- Sample tubes

[Refrigerated CentriVap Benchtop
Vacuum Concentrator](#)



Catalog # 7310020

Region: U.S. and Canada
300-Watt Heat Boost: Not Included
Receptacle and Plug Type: North America, 115 volts, 20 amps
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Refrigerated CentriVap Benchtop
Vacuum Concentrator](#)



Catalog # 7310035

Region: International
300-Watt Heat Boost: Not Included
Receptacle and Plug Type: British (UK)
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Refrigerated CentriVap Benchtop
Vacuum Concentrator](#)



Catalog # 7310040

300-Watt Heat Boost: Not Included
Receptacle and Plug Type: North America, 230 volts
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Refrigerated CentriVap Benchtop
Vacuum Concentrator](#)



Catalog # 7310030

Region: International
300-Watt Heat Boost: Not Included
Receptacle and Plug Type: Schuk
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Refrigerated CentriVap Benchtop
Vacuum Concentrator](#)



Catalog # 7310037

Region: International
300-Watt Heat Boost: Not Included
Receptacle and Plug
Type: China/Australia
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Acid-Resistant Refrigerated
CentriVap Centrifugal Vacuum
Concentrator](#)



Catalog # 7310022

300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: North America, 115 volts, 20 amps
Style: Benchtop
Type/Application: Temperature-Sensitive Samples, Acids

[Refrigerated CentriVap Benchtop Vacuum Concentrator with glass lid](#)



Catalog # 7310021

Region: U.S. and Canada
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: North America, 115 volts, 20 amps
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Acid-Resistant Refrigerated CentriVap Centrifugal Vacuum Concentrator](#)



Catalog # 7310032

Region: International
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: Schuk
Style: Benchtop
Type/Application: Temperature-Sensitive Samples, Acids

[Refrigerated CentriVap Benchtop Vacuum Concentrator with glass lid](#)



Catalog # 7310031

Region: International
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: Schuko
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Acid-Resistant Refrigerated CentriVap Centrifugal Vacuum Concentrator](#)



Catalog # 7310034

Region: International
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: British (UK)
Style: Benchtop
Type/Application: Temperature-Sensitive Samples, Acids

[Refrigerated CentriVap Benchtop Vacuum Concentrator with glass lid](#)



Catalog # 7310036

300 Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: British (UK)
Style: Benchtop
Type/Application: Temperature-Sensitive Samples

[Acid-Resistant Refrigerated CentriVap Centrifugal Vacuum Concentrator](#)



Catalog # 7310039

300 Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: China/Australia
Style: Benchtop
Type/Application: Temperature-Sensitive Samples, Acids

Refrigerated CentriVap Benchtop
Vacuum Concentrator with glass
lid



Catalog # 7310038

Region: International
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug
Type: China/Australia
Style: Benchtop
Type/Application: Temperature-
Sensitive Samples

Acid-Resistant Refrigerated
CentriVap Centrifugal Vacuum
Concentrator



Catalog # 7310042

Region: U.S. and Canada
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: North
America, 230 volts
Style: Benchtop
Type/Application: Temperature-
Sensitive Samples, Acids

Refrigerated CentriVap Benchtop
Vacuum Concentrator with glass
lid



Catalog # 7310041

Region: U.S. and Canada
300-Watt Heat Boost: Not Included
Lid Type: Glass
Receptacle and Plug Type: North
America, 230 volts
Style: Benchtop
Type/Application: Temperature-
Sensitive Samples

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