



CentriVap Cold Traps are an integral part of every CentriVap Aqueous, Acid, Solvent or Gel Dryer System. The Traps may also be used as a separate component in other laboratory applications such as freeze drying and desiccation. These cold traps protect the

vacuum pump by trapping moisture, vapors and corrosive fumes as they evaporate from the samples. Three collector temperatures are offered: -50° C, -84° C and -105° C and selection should be based on the freezing point of the solvents being trapped.

Features and Benefits

HCFC/CFC-free refrigeration system.

Has a high capacity 1/3 hp compressor to lower cold trap temperature to -50° C (-58° F) in less than 30 minutes and accelerate start up procedures. The -84 Cold Traps have two compressors to lower cold trap temperature to -84° C (-119° F) in less than 40 minutes. The -105 Cold Traps have two compressors to lower cold trap temperature to -105 (-157° F) in less than 40 minutes.

Reliability guarantee.

Full one year warranty is provided against defects in materials and workmanship.

Acrylic or stainless steel lid.

Has two Quick-Disconnect fittings for 1/2" ID hose for connecting the Cold Trap and Concentrator. Lid is acrylic on -50 Cold Traps and stainless steel on -84 and -105 Cold Traps.

Four liter stainless steel collector.

Holds up to four liters of liquid and accommodates an optional Glass Insert 7397605 for use with corrosives.

Temperature graph.

Displays relative collector coil temperature. Green LED lights indicate conditions are right for beginning a process.

Sleek styling.

Brushed stainless steel front panel and blue accents enhance appearance.

International electrical configuration available.

The 230 volt, 50 Hz models conform to the CE (European Community) requirements for electrical safety and electromagnetic compatibility.

Collector drain.

Corrosion-resistant nylon valve and stainless steel plumbing speed clean up and eliminate need for glass insert with non-corrosives.

Optional Secondary Chemical Traps.

Trap Inserts for removing acids, moisture, radiochemicals and solvents minimize release of contaminants into the atmosphere.

ETL listed.

The 115 and 230 volt, 60 Hz CentriVap Cold Traps carry the ETL Testing Laboratories seal in the U.S. and the ETL-C seal in Canada, signifying it meets or exceeds all requirements of UL Standard 61010A-1 and CAN/CSA C22.2 No. 1010.1.



-50 Cold Trap Specifications

- Brushed stainless steel and glacier white, powder-coated steel exterior with blue accents.
 - 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.
 - Lid with two Quick-Disconnect fittings for 1/2" ID hose, rubber gasket and insulating cover.
 - Stainless steel drain port with nylon valve.
 - Grounding clip.
 - Temperature graph that illuminates green when the collector coil reaches operating temperature of -40° C (-40° F).
 - ON/OFF power switch.
 - ETL & ETL-C listings on 115 volt models.
 - CE mark on 230 volt, 50 Hz models.
- ⚠ WARNING:** Cancer - P65Warnings.ca.gov (California only).
- Overall dimensions: 14.5" wide x 24.2" deep x 13.8" high (36.8 x 61.4 x 35.0 cm).
 - Actual weight 70 lbs. (32 kg). Shipping weight 80 lbs. (36 kg).

-84 Cold Trap Specifications

Specifications are the same as for the -50 Cold Trap listed above except for the following differences.

- HCFC/CFC-free refrigeration system with two 1/3 hp compressors lowers cold trap to -84° C (-119° F) in less than 40 minutes.
- Temperature graph that illuminates green when the collector coil reaches operating temperature of -65° C (-85° F).
- Overall dimensions: 14.5" wide x 22.0" deep x 20.9" high (36.8 x 55.9 x 53.1 cm).
- Actual weight 135 lbs. (61 kg). Shipping weight 142 lbs. (64 kg)



CentriVap -84 Cold Trap 7460020 CentriVap -105 Cold Trap 7385020



-105 Cold Trap Specifications

Specifications are the same as for the -50 Cold Trap listed above except for the following differences.

- HCFC/CFC-free refrigeration system with two 1/3 hp compressors lowers cold trap to -105° C (-157° F) in less than 40 minutes.
- Temperature graph that illuminates green when the collector coil reaches operating temperature of -65° C (-85° F).
- Overall dimensions: 24.1" wide x 23.9" deep x 17.6" high (61 x 60 x 45 cm).
- Actual weight 150 lbs. (68 kg). Shipping weight 170 lbs. (77 kg)

Accessories (See pages 32-35.)

- Clear Canisters and Chemical Trap Inserts
- Glass Trap
- Two-Port Manifold
- Stainless Steel Lid

Ordering Information

Catalog Number	Description	Temperature	Lid	Electrical Requirements	Receptacle & Plug Type
7811020	-50 Cold Trap	-50° C (-58° F)	Acrylic	115 volts, 60 Hz, 5.4 amps	115 volts, 60 Hz
7811021	-50 Cold Trap	-50° C (-58° F)	Stainless Steel	115 volts, 60 Hz, 5.4 amps	115 volts, 60 Hz
7811030*	-50 Cold Trap	-50° C (-58° F)	Acrylic	230 volts, 50 Hz, 2.4 amps	Schuko
7811031*	-50 Cold Trap	-50° C (-58° F)	Stainless Steel	230 volts, 50 Hz, 2.4 amps	Schuko
7811040	-50 Cold Trap	-50° C (-58° F)	Acrylic	230 volts, 60 Hz, 2.4 amps	North America, 230 volts
7811041	-50 Cold Trap	-50° C (-58° F)	Stainless Steel	230 volts, 60 Hz, 2.4 amps	North America, 230 volts
7811035*	-50 Cold Trap	-50° C (-58° F)	Acrylic	230 volts, 50 Hz, 2.4 amps	British (UK)
7811036*	-50 Cold Trap	-50° C (-50° F)	Stainless Steel	230 volts, 50 Hz, 2.4 amps	British (UK)
7811037*	-50 Cold Trap	-50° C (-58° F)	Acrylic	230 volts, 50 Hz, 2.4 amps	China/Australia
7811038*	-50 Cold Trap	-50° C (-58° F)	Stainless Steel	230 volts, 50 Hz, 2.4 amps	China/Australia
7460020	-84 Cold Trap	-84° C (-119° F)	Stainless Steel	115 volts, 60 Hz, 12 amps	115 volts, 60 Hz
7460030*	-84 Cold Trap	-84° C (-119° F)	Stainless Steel	230 volts, 50 Hz, 6 amps	Schuko
7460040	-84 Cold Trap	-84° C (-119° F)	Stainless Steel	230 volts, 60 Hz, 6 amps	North America, 230 volts
7460035*	-84 Cold Trap	-84° C (-119° F)	Stainless Steel	230 volts, 50 Hz, 6 amps	British (UK)
7460037*	-84 Cold Trap	-84° C (-119° F)	Stainless Steel	230 volts, 50 Hz, 6 amps	China/Australia
7385020	-105 Cold Trap	-105° C (-157° F)	Stainless Steel	115 volts, 60 Hz, 12 amps	115 volts, 60 Hz
7385030*	-105 Cold Trap	-105° C (-157° F)	Stainless Steel	230 volts, 50 Hz, 6 amps	Schuko
7385040	-105 Cold Trap	-105° C (-157° F)	Stainless Steel	230 volts, 60 Hz, 6 amps	North America, 230 volts
7385035*	-105 Cold Trap	-105° C (-157° F)	Stainless Steel	230 volts, 50 Hz, 6 amps	British (UK)
7385037*	-105 Cold Trap	-105° C (-157° F)	Stainless Steel	230 volts, 50 Hz, 6 amps	China/Australia

See pages 30-31 for ordering information on CentriVap Systems consisting of the individual components bundled under one catalog number.

115 volts, 15 amps – For Catalog Numbers ending in 20

North America, 230 volts – For Catalog Numbers ending in 40

Schuko – For Catalog Numbers ending in 30

British (UK) – For Catalog Numbers ending in 35

China/Australia – For Catalog Numbers ending in 37

*International electrical configuration

Exclusive feature