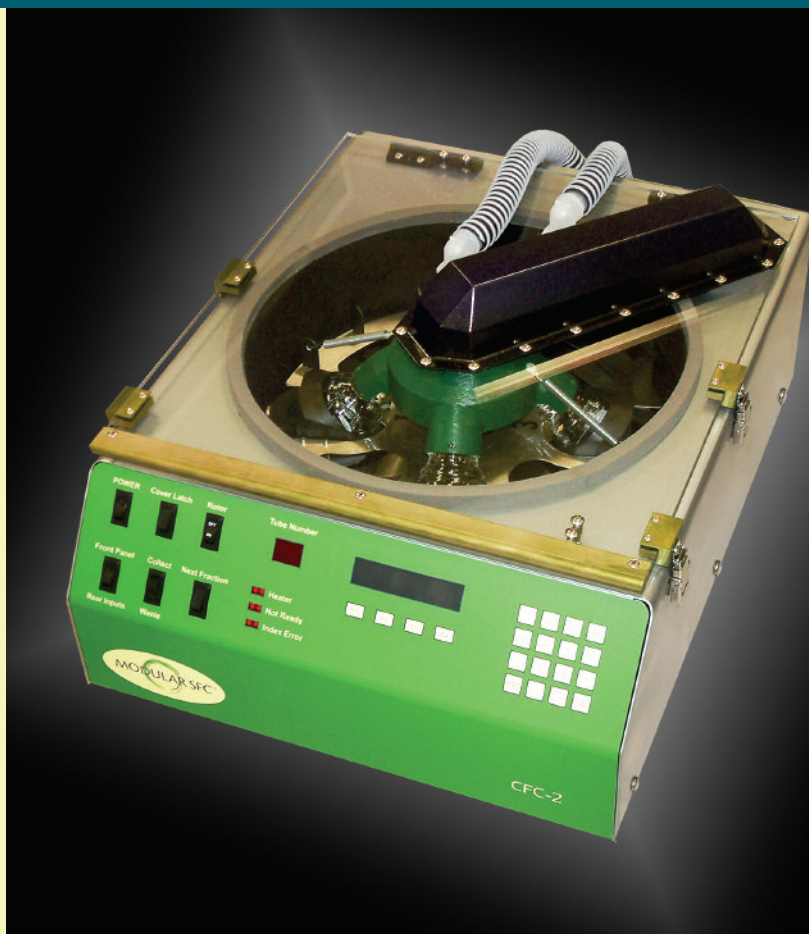


Dry Samples up to 5 Times Faster

- No vacuum pump required to dry samples 3 - 5 times faster than benchtop vacuum centrifuges or blow down concentrators.*
- Save energy, laboratory space, and maintenance headaches by eliminating the need for vacuum pumps
- Eliminate oil mess, heat, noise and vacuum tubing
- Set temperature up to 60°C
- Programmable heater shut-off time
- Use storage/media bottles, microtiter plates, or scintillation vials

*All evaporation rates were obtained while connected to a -50°C cold trap (cold trap is available separately).



The Centrifan RE is a standalone bench top evaporation device that utilizes the gas flow created by the spinning rotor along with heat to provide an incredibly rapid and safe evaporation environment without the need for a vacuum pump. Because the Centrifan RE operates at atmospheric conditions, a heater placed in the recirculating gas-flow is all that is needed to provide precision temperature-driven acceleration of the evaporation process. Compared to traditional bench top concentrators that use either a water bath or infrared lamps, Centrifan RE provides a far superior sample-friendly drying environment.

Operates at Atmospheric Pressure

The Centrifan RE operates at atmospheric pressure and replaces typical vacuum centrifuges or blow down concentrators. Using only heating fins within the rotor compartment and the spinning rotor, the Centrifan RE provides a simple and effective evaporation environment.

Accommodates Standard Collection Vessels

- 4 or 8 (250 mL) media bottles
- 24 (20 x 150 mm) test tubes
- 24 (13 x 100 mm) test tubes
- 4 (96 well) microtiter plates
- 24 (20 mL or 40 mL scintillation vials)

Custom rotor configurations are available.

Space Saving Design

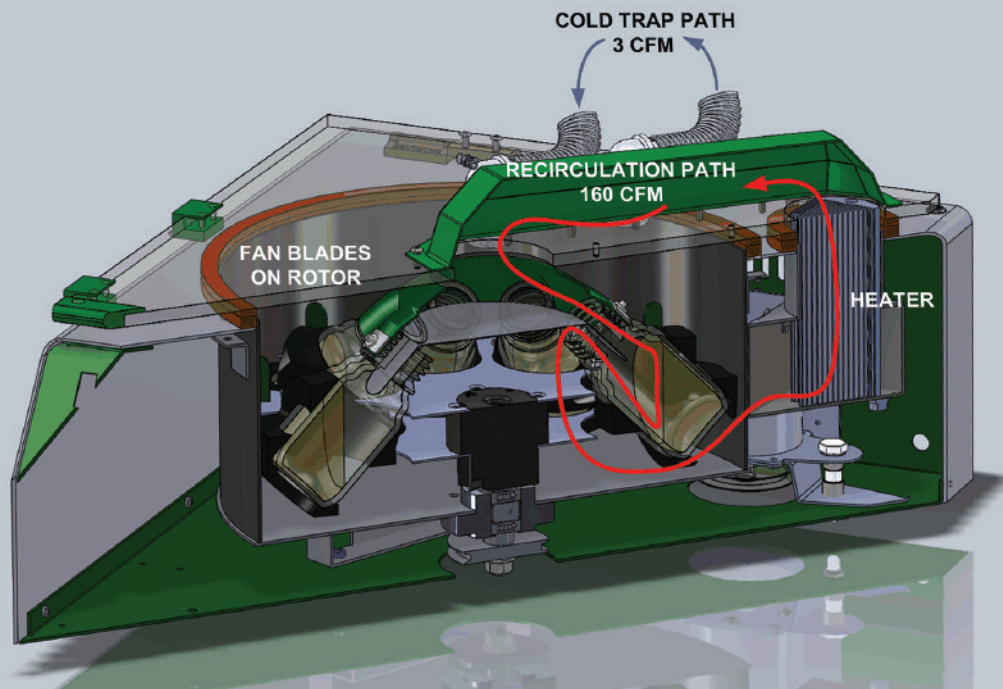
The compact Centrifan RE can be located anywhere on the lab bench rather than taking up space in a fume hood. Vapors are directed through an exhaust hose that can be connected to the laboratory vent system or directed to a cold trap for condensation.

Specifications

Solvents:	Aqueous, organic, buffered
Dimensions (inches)	20W x 9H x 26D
Rotor Speed:	Low (800 to 1500 RPM)
Temperature Range:	Ambient to 60°C

Centrifan™ Recirculating Evaporator (RE)

The 160 cfm gas flow created by the rotor is redirected through passages to the surface of the liquid inside the evaporation vessel. This aggressive blow drying continuously shears off the top layer of the liquid while the centrifugal force holds the non-volatile compounds securely in place. Tests with talcum powder demonstrated a 0% loss of sample during the evaporation process.



Centrifan RE dries aqueous samples 3X faster than standard vacuum centrifuges and 5X faster than blow down concentrators

Comparative Performance Specs

Equipment	Standard Vacuum	Standard Blow Down Type	Centrifan RE Recirculating Evaporator Centrifuge with Standard (-50°C) Cold Trap
Vacuum Pump or Compressed Gas Required	Yes	Yes	No
Container Configuration	Unknown	Unknown	250 mL media bottle (Filled to 200 mL for rate measurement)
Temperature	40°C	40°C	40°C
Evaporation Water at 40°C	57 uL/min	33 uL/min	170 uL/min
Evaporation Methanol at 40°C	125 uL/min	200 uL/min	812 uL/min

About Modular SFC

Modular SFC is an instrument design and development company committed to providing researchers with innovative tools to advance isolation and purification processes, including high speed evaporation and SFC. The company filed for its first SFC fraction collection technology patents in January 2007 and began shipment of its CFC Series of benchtop fraction collector/evaporators in 2008.



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