

Centrifan™ Small Volume Evaporator

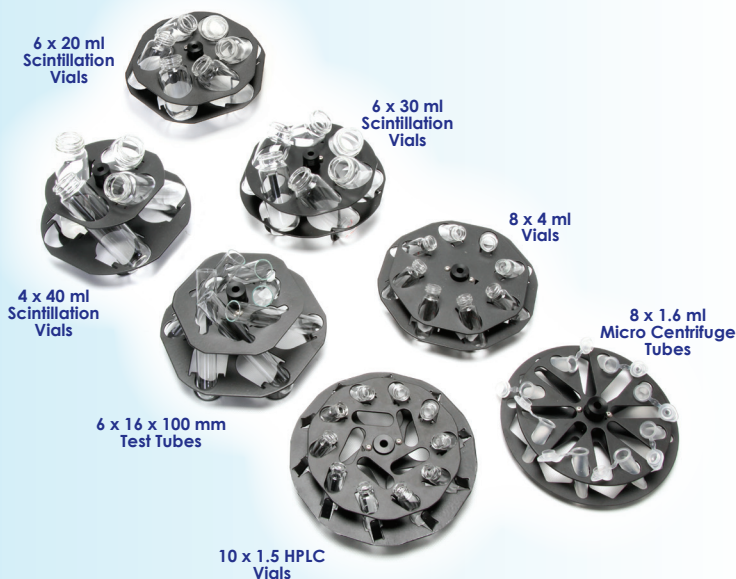
Now Evaporate Without Bumping!

The Centrifan™ PE Evaporator/Concentrator is a small volume evaporator that eliminates the problem of bumping using patented SBT (Self Blowdown Technology). SBT allows solvent drying using heated, circulating gas flow and NO VACUUM PUMP!



- No vacuum pump - no bumping!
- Easy-to-use - no monitoring
- Quick set-up - put in the samples and close the cover
- Small footprint
- Dry directly in vials
- Cost effective
- Integrated heater

The versatile Centrifan has a rotor to fit your needs. Choose from one of seven different rotors



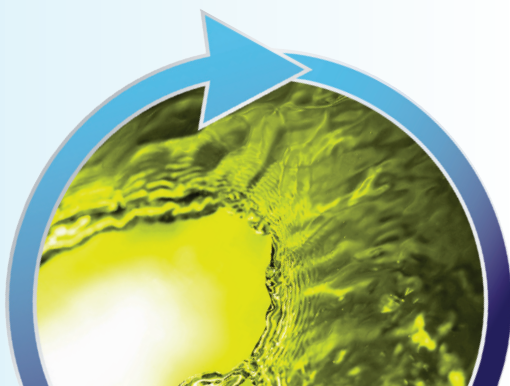
Target Applications & Users

- University Labs
- Chemical Synthesis
- Organic Chemistry
- Protein Studies
- Medicinal Chemistry
- Pharmaceutical scientists

Typical Solvent Drying Times

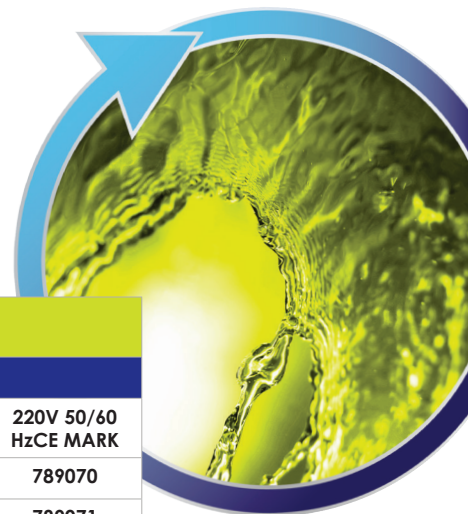
Centrifan™ PE Drying Rates for Typical Solvents in 20 ml Vials.			
SOLVENT	TOTAL VOLUME	ROTOR TEMPERATURE	TIME TO DRY
Methanol	6 x 10 mL	40°C	60 min
Water	6 x 5 mL	40°C	3 hrs
Hexane	6 x 10 mL	40°C	15 min
Acetone	6 x 10 mL	40°C	35 min
Isopropyl Alcohol	6 x 10 mL	40°C	70 min
DMSO	6 x 1 mL	40°C	12 hrs
Methylene Chloride	6 x 10 mL	40°C	25 min
AcN/H ₂ O (70/30)	6 x 10 mL	40°C	3 hrs

*Evaporation rates were obtained with ethanol and dry ice in the cold trap.



Specifications

Specification	Parameter
External Operating Temperature	2°C to 40°C
Integrated Heater Temperature	Ambient to 55°C
Cold Trap Capacity	1 L non-freezing liquid plus dry ice nuggets
Power	115 or 230 VAC 50/60 Hz 200 W
Dimensions	12" (30.5 cm) W x 8" (20.3 cm) D x 18" (45.7 cm) H



Ordering Information

Centrifan™ PE System (need to specify a rotor)	MODEL NUMBER		
	110V 50/60 Hz	220V 50/60 Hz	220V 50/60 Hz CE MARK
Centrifan™ PE-T - Includes Cold Trap with 500 ml flask and Timer	780070	781070	789070
Centrifan™ PE - Includes Cold Trap with 500 ml flask	780071	781071	789071
Centrifan™ Lite - No Cold Trap, vent to a hood or use with aqueous solutions	780072	781072	789072
Rotors: (one splitter included)			
Rotor 6 x 20 ml Scintillation Vials	788400		
Rotor, 8 x 1.6 ml micro centrifuge tubes	788401		
Rotor 6 x 16 mm x 100 mm Test tubes	788402		
Rotor 8 x 4 ml vials (1 dram)	788403		
Rotor 6 x 30 ml Scintillation Vials	788404		
Rotor 4 x 40 ml Scintillation Vials	788405		
Rotor 10 x 1.5 ml HPLC vials	788406		
Spare Splitters			
5 pack splitters 6 x 20 ml Scintillation Vials	788408		
100 pack splitters 6 x 20 ml Scintillation Vials	788409		
1 Splitter 8 x 1.6 ml micro centrifuge tubes	788410		
1 Splitter 6 x 16 mm x 100 mm Test tubes	788411		
1 Splitter 8 x 4 ml vials (1 dram)	788412		
1 Splitter 6 x 30 ml Scintillation Vials	788414		
1 Splitter 4 x 40 ml Scintillation Vials	788415		
1 Splitter 10 x 1.5 ml HPLC vials	788416		



Centrifan PE™