



# Vacuum Centrifugal Concentrator

**Seltis**

The vacuum centrifugal concentrator combines centrifugal force, controlled heating, and vacuum generated by an external pump for rapid solvent evaporation.

## Typical Applications

**Aqueous Solvents:** Removal of low concentrations of non-aggressive organic solvents from aqueous mixtures such as methanol–water and acetonitrile–water.

**DNA Extraction:** Complete drying of DNA precipitates with up to 100% recovery, typically from methanol and water.

**Non-Aggressive Organic Solvents:** Methanol, Ethanol, Acetonitrile.

Aggressive Organic Solvents (Low Boiling Point): Chloroform, Ethyl Acetate, Acetone, Methylene Chloride, Hexane.

**Aggressive Organic Solvents (High Boiling Point):** DMSO, DMF, Toluene, Nitrobenzene.

**Strong Acids and Bases:** TFA, HCl, Acetic Acid, Formic Acid, Ammonium Hydroxide, Sodium Hydroxide.



Ambient Temperature type / Refrigerated type

## Technical Parameter

Model	ST-30	ST-30R
Temperature Range	+30°C ~ +100°C (1°C Increment)	-10°C ~ +100°C (1°C Increment)
Temperature Accuracy	±1°C	
Max. Speed	1800rpm	
Max. Capacity	6x100ml	
Timer for Run & Heat	0~99h59min	
Vacuum Control Range	0.1~1000mbar	
Main Unit With Vacuum Levels	0.01mbar	
Noise	≤49dBA	≤55dBA
Compressor		1/3 hp
Voltage	0.7kw	1.3kw
Power Supply	220v-250V, 50Hz	
Dimension(L×W×Hmm)	350x440x300mm	430x650x400mm



- 01 Microprocessor LCD touch screen, displaying operational parameters: like speed, temperature, vacuum, and running time along with quick stop, pre-heat, auto/manual run, lid lock indicator etc. with USB port for data transfer.
- 02 Vacuum Delayed start after reaching a fixed speed, Start the vacuum pump to effectively prevent sample mixing.
- 03 Fully automatic vacuum control system, vacuum setting range 0.1 ~ 1000 mbar, Control accuracy 0.1 mbar with inbuilt vacuum release valve.
- 04 Audio and visual alarm relating to all the running parameters and any deviation in the system.
- 05 Programmable with temperature and pressure settings, capable of storing 36 programs.

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## Key features

- 06 Chemical resistant 316L stainless steel interior with optional PTFE coated & transparent glass lid for easy observation.
- 07 Maintenance-free brushless motor, non-contact drive, fully sealed and imbalance detection.
- 08 Safety in use: inductive electric self-suction door lock ensures the centrifugal concentrator can only start when the door cover is fully closed and locked.
- 09 Can be used in conjunction with freeze-drying systems along with centrifugation and desiccator.
- 10 Optional -50°C cold trap

## Adapter Rotor

Different chemical resistant autoclavable at 121°C rotors can be configured according to customer requirement



Rotor Type	Rotor Volume	Rotor Type	Rotor Volume
Angle Rotor	24×1.5/2ml	Angle Rotor	8/10×50ml
Angle Rotor	50/108/216×1.5/2ml	Angle Rotor	6×100ml
Angle Rotor	50×5ml	Angle Rotor	16*20ml Sample vial
Angle Rotor	30×10ml	Angle Rotor	16*5ml+8*4ml+8*3ml
Angle Rotor	10/24×15ml	Microplate Rotor	2×96well

## Vacuum Pump

Different rotors can be configured according to customer requirements.



Oil pump (standard configuration)



Chemical corrosion-resistant diaphragm pump (optional)



Chemical corrosion-resistant hybrid pump (optional)

## SELECT REFRIGERATION

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