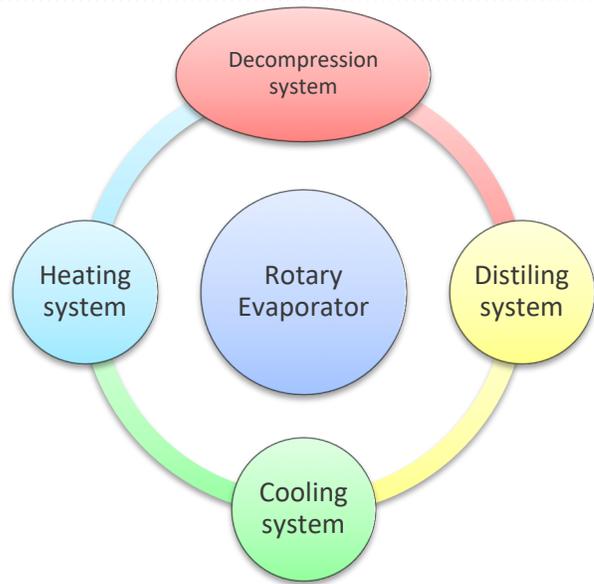


Design of rotary evaporator



Center axis integration

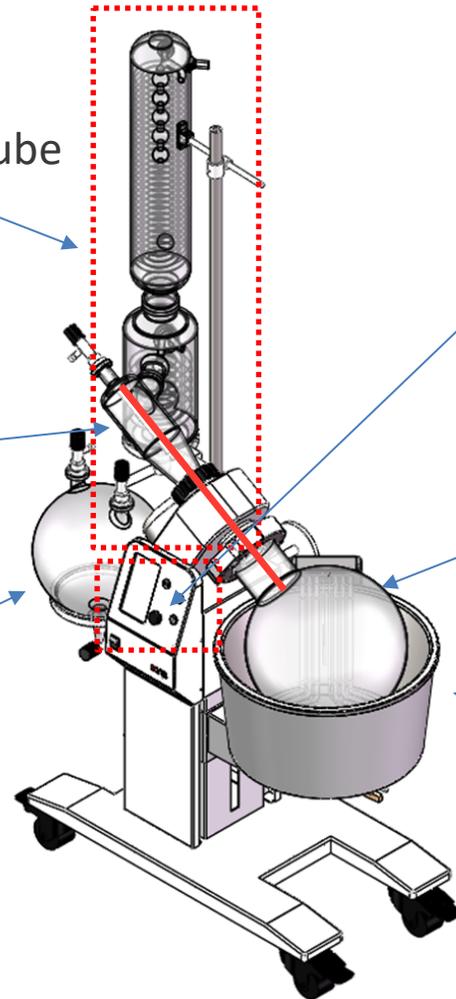
Double-layer
condensing tube

10L Receiving flask

Large display
& Control panel

20L Sample flask

Heating bath
(Automatic 180mm)



SCI200-Pro 20L Rotary Evaporator



- ❖ Large LCD digital display;
- ❖ One-click automatic motor lifting (stroke 180mm), smooth and silent;
- ❖ Water/oil heating bath with wide temperature range to 180C°;
- ❖ Speed range from 10 to 150rpm, and movement in clockwise or anti-clockwise directions for drying process;
- ❖ Double-layer tube with larger condensation area helps to secure high-efficiency condensation
- ❖ Patent PTFE double sealing ring with excellent sealing performance;
- ❖ A switch-valve for continuous collection without compromising the system vacuum and solvent distillation.

Specifications

| | | |
|-------------------------|----------------------------|---|
| Performance | Temperature range | Room temp. ~180°C (both water and oil) |
| | Control Accuracy | Water: ±1°C Oil: ±3°C |
| | Rotation Speed | 10~150rpm |
| | Evaporation capacity | Max.4.0L/h (water vapor volume) |
| | Ultimate vacuum | Less 2.6hpa |
| Function | Temperature control method | Micro processor PID control |
| | Display | LCD (temperature/speed/clockwise and Anti-clockwise/time) |
| | Stroke Displacement | Automatic 180mm |
| | Safety features | Motor over-current protection, Residual Current Device, lifting overload protection, Boil-dry protection, over-temperature protection |
| Constitute | Sample flask | Round flask 20L |
| | Receiving flask | Round flask 10L with drain valve |
| | Condenser | Two-section vertical triple serpentine condenser, cooling surface 1.2m ² |
| Specification | Heating bath size | Φ450*240mm |
| | Takeover caliber | Cooling suction nozzle outer diameter 16mm, vacuum pump nozzle outer diameter 16mm |
| Dimension[W×D×H] | | 1160mm×600mm×1860mm |
| Power supply | | 220V·4600W·50/60Hz 380V·6000W·50/60Hz |

Key Competitive Advantages



- Unique evaporating flask connector for easy evaporating flask installation



- Central axis integration

Key Competitive Advantages



Screw-lock connection for excellent condenser sealing, and easy installation

Key Competitive Advantages



The heating bath has a complete plate lifting method for smooth and stable raising and lowering.

Key Competitive Advantages



Heating bath with external heating coil provides higher heating efficiency, and easy maintenance.

Heating bath

- Water/oil heating bath
- High quality stainless-steel material to prevent the corrosion
- Unique heat insulation structure design, insures the surface temperature is far lower than the temperature in the bath, to avoid personnel burns.

Key Competitive Advantages



Wide-mouth sample flask, for faster filling and easier cleaning