

Laboratory Rotary Evaporator R2005K2B (20 Litre)

OVERVIEW/Description

SENCO Rotary Evaporators are developed by sticking to the basics, keeping in mind safety of the user and focusing on giving desired results. They enable to achieve desired results affordably and are backed by trustworthy service. The Industrial Rotary Evaporator is simple yet accurate, basic yet precise, up to the mark on performance and friendly on budget.

These Rotary Evaporators are used for a variety of applications including:

- Concentration
- Drying
- Refining
- Separation
- Crystallization

Features/Benefits

PTFE Charging Valve: Precisely engineered PTFE charging valve gives you durable user experience. It is able to offer pure and clean charging process.



Big condensing surface: Top in class; massive 10,000cm² condensing surface area for fast receiving.



PTFE Discharge valve: Senco patented structure (Patent No. 01253089.1)



Flange Quick Press Ring:

One-piece quick clip design. Offer new user experience on easy, reliable, and high sealing connection for flanges (no tools required).



Vacuum Sealing system

Specially designed and precisely manufactured Anti-corrosion and Wearable Sealing Systems in these Rotary Evaporators enables to reach ultimate vacuum rates of **less than 1 Torr**. High quality material leads to longer seal life and hence about 90% of the users did not replace the seal in one year.



Tandem Type Continuous Receiving

With SENCO's patented unique Tandem Receiving Technology (patent No. 03229693.2), **system vacuum does not drop during discharging shifts**. With **single receiving flask vacuum leakage points are reduced by 50%**. Ultimate system vacuum is further improved by **Glass-Mirror finish** on all Flange joints.



Electric Lifting (Optional)

Offer smooth electric bath lift with manual lift function for emergency power failure use.



Bumping Tube (Optional)

Bump tube is incorporated in the functional structure of the Rotavapor to prevent unexpected solution bumping into the receiving flask.



Ex-Proof Modification (Optional)

Offer Ex-Proof upgrade on Motor, Control Boxes of rotation and heating, Wiring and Safety measures as per user needs. Ex level reaches ExdIIBT4.



Flask Unload Handler (Optional)

Flask Unload Handler is specially designed for handling and unloading big capacity evaporating flasks.



TECHNICAL SPECIFICATIONS

| | |
|---|---------------------------|
| Model | R2005KB |
| Evaporating Flask (L) | 20L/F120 |
| Receiving Flask (L) | 10L, Bottom Discharge |
| Condensing Surface (m²) | 1 |
| Rotation (rpm) | 3-110 |
| Motor Power (W) | 120 |
| Evaporating Speed (H₂O) | 5L/h |
| Reachable Vacuum | < 133Pa (1.33mbar, 1Torr) |
| Bath Power (KW) | 5 |
| Static Temp. Control Range & Wave (°C) | RT – 99 ± 0.2 |
| Bath Size | Ø45x27H |
| Bath Capacity (L) | 40 |
| Bath Material | SUS304 |
| Voltage, Frequency | 220V, 50/60Hz |
| Dimensions (cm) | 110x65x190H |

Functional Configurations

| | |
|---|----------------------------|
| Charging Valve | PTFE |
| Discharging Valve | PTFE |
| Rotary Seal Assembly | PTFE |
| Bath Lift | Manual |
| Glass Joints | Mirror Polished Flanges |
| Speed Control | Frequency Conversion |
| Digital Display | Bath temp., Rotation Speed |
| Vacuum Meter | ✓ |
| Throttle Valve for Vacuum | ✓ |
| Quick Change connector for Cooling Circulation | ✓ |
| Sensor neck for Vapor Temperature | ✓ |
| Bump prevention tube | X |
| Big Evaporation Neck | Optional (F145) |
| Evaporating Flasks | Optional 5L, 10L |
| Baffles in Evaporating flask | Optional |