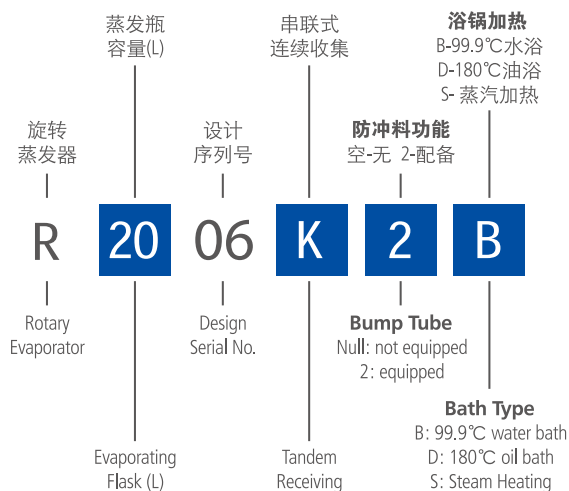


旋转蒸发器

ROTARY EVAPORATOR

10-50L



1 PTFE进料阀
最新结构及材料设计，全程高清洁进料，高耐腐蚀耐磨。
PTFE Charging Valve
New structure and material applied, is able to offer purely clean charging process and durable use experience.



2 全PTFE真空放料阀 (专利号: 01253089.1)
Senco专利技术，耐腐蚀，放料过程对物料完全无污染。

PTFE Cork (Patent No. 01253089.1)
Senco patent structure. Cork is anti-corrosion, no vacuum grease, no pollution to solvent received.



3 快拆法兰压紧环
可提供高气密，高耐腐蚀，无需工具装卸的法兰连接新体验。
Flange Quick Press Ring
One-piece quick clip design. Offer new experience on easy, reliable, and high sealing connection for flanges (no tools required).



整机全精密法兰连接
— 拆装安全易保养

Overall Flange Joints
— No dead seizure to glass joints, safe during installation & maintenance

串联式连续收集技术(专利)
— 蒸发过程亦可随时放料，连续工作不受影响。

Patent Continuous Receiving Tech.
— Allow solvent discharge during evaporation process without system vacuum releasing or wave.

50L, R5006KB
w/optional functions
含选配功能



耐腐蚀旋转密封技术

独特设计和超精制造工艺，使系统最高真空度达到133Pa，且90%的用户一年内不必更换密封件。

Anti-corrosion & Wearable Sealing System

Specially designed and precisely manufactured. Enable system ultimate vacuum rate reaching 133Pa. 90% users do not need to replace rotary seal in one year.



电动升降

提供平稳的浴锅电动升降，在断电时亦允许手动应急升降。

Electric Lifting

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



隔爆型防爆(选配功能)

提供电机、旋转电控，加热电控，整机接线及安全防护措施的多方面防爆升级服务。可以达到ExdIIBT4级别。

Ex-proof Modification (Optional)

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



本安型防爆(气动)(选配功能)

提供整机气动控制，防爆等级可达ExiICT6。

Intrinsically safe explosion-proof (compressed air driven) (Optional)

Ex level reaches ExiICT6. Can be customized for users with special ex-proof needs.



防冲系统(选配)

选配后可预防物料意外爆沸，冲入收集瓶而污染收集物。

Bumping Tube (Optional)

Preventing unexpected solution bumping into receiving flask.



卸瓶架(选件)

专为卸载和移动内含物料的20L，50L蒸发瓶设计，非常安全实用。

Flask Unload Handler (Optional)

Specially designed for handling and unloading big capacity evaporating flask, is one useful and popular optional tool.

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短程蒸馏系统
SHORT PATH DISTILLATION

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ROTARY EVAPORATOR

夹层玻璃反应器
JACKETED REACTOR

多功能反应器
MULTIFUNC. REACTOR

真空配套
VACUUM PRODUCTS

冷却/循环
COOLING / ATING

搅拌
STIRRING

在中试生产级旋蒸领域

Senco独有串联式连续收集技术，旋蒸系统需中途放料时，不必因此停止蒸馏过程，也不必重新抽真空。该设计使旋蒸系统实现真正无真空波动的连续工作，在大大提高旋蒸生产效率的同时，也简化了收集系统的连接结构，降低破损率、提高密封性能。(适用K型号)

In Pilot Production Evaporating Field

With Senco unique tandem receiving technology, Solvent Discharge no longer need to stop evaporation process, to release and re-pump system vacuum. The technology allows real continuous work without vacuum wave, which obviously increases productivity, simplifies system receiving structure and improves sealing performance. (for K series)



串联式连续收集旋转蒸发器专利技术 (专利号: 03229693.2)

Tandem Type Continuous Receiving Technology

特性 Characteristic	Senco串联式连续收集 SENCO Tandem Receiving	V.S. 传统并联式连续收集 Traditional Parallel Receiving
工作原理 Work Principle		
蒸发稳定性 Evaporation Performance	<ul style="list-style-type: none"> ● 放料切换时，系统真空度恒定不变，利于蒸馏样品一致性。 ● System vacuum does not drop during discharging shift. Sample received keeps consistent quality. 	<ul style="list-style-type: none"> ● 放料切换时，系统真空度短时急跌，影响蒸发并可能引发冲料。 ● System vacuum drops suddenly during shift which affects evaporation and may cause sample bumping.
结构合理性 Structure Rationality	<ul style="list-style-type: none"> ● 结构紧凑稳固易安装维护。 ● 泄漏点直接减少50%，系统极限真空度进一步提高。 ● Easier installation and maintenance in compact tandem type structure. ● Leakage points reduced by 50%. Ultimate system vacuum is improved further in SENCO Tandem Type Receiving Structure. 	<ul style="list-style-type: none"> ● 三叉玻璃连接结构易导致玻璃件破损，安装维护要求较高。 ● 漏气点多 ● Glass parts may be damaged under improper installation of parallel type structure. ● More leakage points because of more joints and valves in traditional Parallel Type Receiving Structure.

基本参数 Parameters

SENCO旋转蒸发器 ROTARY EVAPORATOR 10-50L

标准机型	Standard Model	R1002B	R2002B	R2005KB	R2006KB	R5005KB	R5006KB
相关型号	Relevant Model	R1002D /	R2002D /	R2005KD R2005K2B	R2006KD /	R5005KD R5005K2B	R5006KD /
蒸发瓶 (L)	Evaporating Flask (L)	10L/ F95	20L/ F95	20L/ F120		50L/F120	
收集瓶带放液口 (L)	Receiving Flask with bottom discharge (L)	5L/ F40	10L /F40	10L/F40	10L/F40	20L/F40	20L/F40
冷凝面积 (m ²)	Condensing Surface (m ²)	0.57	1	1	1	1.5	1.5
转速 (rpm)	Rotation Speed (rpm)	3-110					
蒸发速度 (H ₂ O)**	Evaporating Speed (H ₂ O)**	3L/h	5L/h	5L/h	5L/h	9L/h	9L/h
到达真空 (Pa)	Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)					
浴锅功率 (kW)	Bath Power (kW)	3 / 2 (Ex or oil)	5 / 3.6 (Ex or oil)			9 / 6 (Ex or oil)	
静态温控范围及波动 (°C)	Static Temp. Control Range & Wave (°C)	0-99(180)±0.2					
浴锅尺寸 (cm), 容量, 材质	Bath Size, Capacity, Material	Ø35x25H, 22L, SUS304	Ø45x27H, 40L, SUS304			Ø55x32H, 70L, SUS304	
电源	Power	220V, 1P, 50/60Hz				380V, 3-p, 50/60Hz	
整机尺寸 (cm)	Dimensions (cm)	95x50x180H	110x60x210H	110x65x190H		130x80x200H	

** 最大蒸发速度与工艺参数设定, 配套设备性能及匹配度等有关。

Max evaporating speed is affected by operation settings and the performances and matching levels of supporting equipment.

功能配置 Functional Configurations

型号	Model	R1002B	R2002B	R2005KB	R2006KB	R5005KB	R5006KB	
3	玻璃连接 Glass Connection	磨口配PTFE隔膜 Taper Joint w/PTFE Sleeve		整机镜面法兰 Mirror polished flanges				
5	浴锅电动升降 Electric Bath Lift	/	/	/	●	/	●	
	串联式连续收集 Tandem Type Continuous Receiving	/	/	●	●	●	●	
4	PTFE组合动密封 PTFE Rotary Seal Assembly	●	●	●	●	●	●	
	变频调速 Frequency Conversion Speed Control	●	●	●	●	●	●	
1	进料阀 Charging Valve	玻璃 Glass			PTFE			
2	放料阀 PTFE Discharge Valve	PTFE						
	真空表 Vacuum Meter	●	●	●	●	●	●	
	真空节流 Throttle Valve for Vacuum	●	●	●	●	●	●	
	冷却水快接接头 Quick-change Adaptor for Cooling Circulation	/	/	●	●	●	●	
	蒸汽测温口 Thermometer Neck for Vapor	/	/	●	●	●	●	
	数字显示 Digital Display	浴温 · 转速 Bath Temp., Rotation Speed						
	不锈钢机架 SUS Frame	/	/	/	●	/	●	
	大蒸发口径升级* big Evaporation Neck upgrade *	/	/	○ F145				
7	防冲系统* Bumping System *	/	/	○	○	○	○	
	冷阱系统* Cold Trap System *	/	/	○	○	○	○	
8	卸瓶托架 Evaporating Flask Unload Handler	/	○	○	○	○	○	
	蒸汽加热* Steam Heating *	/	○	○	○	○	○	
	备选蒸发瓶 (可定制压槽款) Optional Evaporating Flask (baffles available at request)	○ 5L	○ 5L,10L,20L			○ 10L,20L,50L		
安全保护 Safety Features								
6	Ex防爆升级* Ex-proof upgrade*	电机及控制箱防爆改装、低功率密度、独立过温及防干烧保护、防爆级别ExdIIIBT4/ExIICT6 Overall ex-proof modification, Dry Heat and Overheat Cut-off Protector, level ExdIIIBT4/ExIICT6						

符号含义: / - 无, ● - 已配, ○ - 可选 (* - 此选配功能必须在工厂生产时组装, 不能单独另配)

注: 相关型号部分具体参数与标准机型有少量差异, 需另行确认。

Symbol Instruction: / - None, ● - Equipped, ○ - Optional (* - Only available when ordering of product, not for separate sale)

Note: Some specifications of relevant models may have differences from that of standard model. Details available at request.

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