

灭菌烘箱 STERILIZATION TUNNEL

STERILIZATION TUNNEL SERIES



RM系列热风循环隧道式灭菌烘箱

RM SERIES STERILIZATION TUNNEL

Features

- Standard air volume and pressure automatic adjustment and balancing functions with updated depyrogenation monitoring system
- PLC controlled sterilization process ensures the satisfying result of each depyrogenation procedure
- Night mode function helps to maintain the GMP standard working environment at all time
- Manually adjustable valves in each temperature zone improves the heat distribution, also reduces the heat interference
- At least 4 log depyrogenation level, temperature deviation $\leq \pm 5^{\circ}\text{C}$ (unload)
- Multiple position temperature monitoring, temperature alert, online saving/printing
- DOP ports
- Multi-language interface
- Low power consumption design

技术特点

- 烘箱的进排风具有风量和风压自动调节及实时风压平衡补偿功能，除热源效果监控设计原理符合最新国际规范
- 采用先进的PLC控制灭菌过程，确保灭菌和去热源效果
- 具备待机模式，待机时仍然保证烘箱内百级环境
- 不同温度段之间配有带刻度显示的手动调节阀门，可以确保烘箱温度均匀，同时减少了各段之间的热干扰
- 热源下降至少4倍，空载热分布 $\leq \pm 5^{\circ}\text{C}$
- 多点温度监控，高低温报警及停机，工作参数实时打印及存储
- 设有验证借口，方便用户进行高效过滤器验证及必要的回顾性验证
- 多语言操作界面随机切换
- 节能设计，节约能耗效果明显



Description

This equipment is applied for drying, sterilizing and depyrogenating of washed vials, ampoules and all other containers. The sterilization tunnel could be divided into three different sections (preheating, heating, and cooling). Either water or air cooling is applied in the cooling zone. Various selections of customizable mechanical & electrical devices satisfy every need of each customer. Most importantly, not only the working principal but also the choose of material satisfy with the cGMP standard.

设备概述

该设备用于将西林瓶或安瓿瓶等不同的容器烘干，灭菌，除热源，冷却并输送至下一个工序。由预热段，灭菌段和冷却段构成，冷却段可以采用水冷或者风冷两种不同形式。设备还可依据客户需求提供不同配置选择，工作原理和制造材料完全符合cGMP规范。



技术参数 Parameters

项目	技术指标 Technical Specifications					
设备型号	RM400/2200	RM600/3400	RM800/4250	RM1000/5000	RM1200/6500	RM1200/8000
电源 Power supply	3 phases, 380V/50Hz					
功率 Power	28 KW	56KW	86KW	95KW	180KW	210 kw
空载热分布 Deviation (unload)	$\leq \pm 5$	$\leq \pm 5$	$\leq \pm 5$	$\leq \pm 5$	$\leq \pm 5$	$\leq \pm 8$
进口部吸气量 Air intake	500 m ³ /hour	500 m ³ /hour	500 m ³ /hour	500 m ³ /hour	500 m ³ /hour	800m ³ /hour
总排气量 Exhaust	2500m ³ /hour	3900 m ³ /hour	5500 m ³ /hour	8300 m ³ /hour	9500 m ³ /hour	1000m ³ /hour
冷却水消耗量 Water consumption	2 m ³ /hour 6-9°C 冷却水	2-3 m ³ /hour 6-9°C 冷却水	3-4 m ³ /hour 6-9°C 冷却水	4-5 m ³ /hour 6-9°C 冷却水	4-5 m ³ /hour 6-9°C 冷却水	5-6m ³ /hour 6-9°C 冷却水
出瓶温度 Output temperature	30-35°C	30-35°C	30-35°C	30-35°C	30-35°C	30-35°C
机器的尺寸 Dimensions	2200×1450×2200	3400×1620×2200	4300×1850×2200	5000×2000×2200	6500×2200×2200	8000×2650×2350
传送台高度 Feeding height	900 ± 20mm					
机器重量 Weight	1800kg	2300kg	3000kg	3500kg	4500kg	7000 kg

生产能力 Capacity

Model	2-5ml	7ml	10ml	15ml	20ml	30ml	50ml	100ml
RM400/2200	7300	4500	3600	3000	1800	1600	400	230
RM600/3400	13700	8400	6800	5800	3300	2800	730	390
RM800/4250	39000	24000	20000	17000	10800	10200	2800	1600
RM1000/5000	46000	29000	23000	18500	12000	10500	3080	1700
RM1200/6500	90000	56000	62000	53000	32000	29500	6400	4200
RM1200/8000	N/A	N/A	100000	70000	55000	40000	9500	6000

RH系列双扉门净化烘箱

RH SERIES DRY HEAT STERILIZER



Features

- Standard air volume and pressure automatic adjustment and balancing functions with updated depyrogenation monitoring system
- PLC controlled sterilization process ensures the satisfying result of each depyrogenation procedure
- Safe operation interlock function
- FH ≥ 1500 , temperature deviation $\leq \pm 5^\circ\text{C}$ (unload)
- Multiple position temperature monitoring, temperature alert, online saving/printing
- DOP ports
- Multi-language interface
- Low power consumption design

技术特点

- 先进的进排风，风量风压调节，温湿度调节，灭菌效果监控
- 采用先进的PLC控制灭菌过程，确保灭菌和去热源效果
- 具有双门互锁功能，具有自动开门完全保护功能
- FH值 ≥ 1500 ，空载热分布 $\leq \pm 5^\circ\text{C}$
- 多点温度监控，高低温报警及停机，工作参数实时存储及打印
- 设有验证借口，方便设备验证以及回顾性验证
- 多语言操作界面随机切换
- 节能设计，节约能耗效果明显



技术参数 Parameters

机型 Model	RH-0.7	RH-1	RH-2	RH-2.5
有效尺寸 Effective space	0.7	1.1	2	2.5
吸气量 Air intake	$\geq 500\text{m}^3/\text{h}$	$\geq 500\text{m}^3/\text{h}$	$\geq 1000\text{m}^3/\text{h}$	$\geq 1000\text{m}^3/\text{h}$
电源 Power supply	3 Phases, 220V/380V 50Hz			
功率 Power	26 kw	35 kw	52 kw	53kw
工作温度 working temperature	20~280°C			
温差 Deviation	$\pm 5^\circ\text{C}$			
循环风机风量 Fan Speed	$\geq 1500\text{m}^3/\text{h}$	$\geq 2200\text{m}^3/\text{h}$	$\geq 3500\text{m}^3/\text{h}$	$\geq 4700\text{m}^3/\text{h}$
压差 Pressure (inner chamber to the working environment)	$\geq 5\text{-}10\text{Pa}$			
噪音 noise level	$\leq 75\text{dB}$			
工作区尺寸 Chamber Dimensions	750×950×950 (mm)	900×1150×1100 (mm)	1050×1420×1347 (mm)	900×2100×1306 (mm)
外形尺寸 Dimensions	1580×1350×2182 mm	1780×1550×2385 mm	1968×1870×2720 mm	1780×2410×2605 mm

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