



立式脉动真空压力蒸汽灭菌器

STAINLESS STEEL VERTICAL PULSATING VACUUM PRESSURE STEAM STERILIZER

脉动真空 (PULSATING VACUUM)



YMMD65L

YMMD85L

YMMD105L

YMMD125L

主要技术参数(Main Technical Data):

型号 Model	容积 (L) Volume	工作 电源 Electric supply	功率 (kW) Power	工作温度 (℃) Operating temperature	工作压力 (Mpa) Operating pressure	保温时间 (min) Soaking time	腔室可放物品 尺寸 (cm) Item size	网篮尺寸/个数 (cm) Basket size	外形尺寸 (cm) Product size	包装尺寸 (cm) Package Size(wood)	毛重 (kg) Gross weight	净重 (kg) Net weight
YMMD65L	65	AC220 /50HZ	6	≤136	≤0.23	0~65000	φ 40×45	φ 39×18 /2	80×66×118	90×76×133	165	145
YMMD85L	85		6				φ 40×56	φ 39×22 /2	80×66×118	90×76×133	170	150
YMMD105L	105		6				φ 40×67	φ 39×18 /3	80×66×118	90×76×133	175	155
YMMD125L	125		7				φ 40×83	φ 39×22 /3	80×66×123	90×76×138	190	170

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性能及特点

- SUS304不锈钢材质，压力容器壁厚2.5mm，大口径立式结构，径向自胀式硅胶密封圈。
- 拨杆12柱插销同步伸缩一次开关结构，开盖自动垂直向上弹起，上盖有隔热防烫保护。
- 采用电子、机械、压力、温度冷却多重安全连锁保护装置，闭盖检查系统，门未关好设备无法启动，降到设定的安全温度和压力下才会解锁，并有开、关操作提示音。
- 上置全彩7英寸液晶显示屏，中英文可选择使用，触摸式操作选择灭菌程序及参数。
- 动态数字显示压力、温度、时间及报警信息，动态曲线显示运行全流程，进入状态界面可查当前运行程序，图文显示全自动灭菌过程。
- 采用三级独立密码和指纹识别控制进入操作。
- 内置方便灭菌室清洁的独立水箱和电热蒸发器，缺水报警自动切断加热电源。
- 内置蒸汽冷凝系统，蒸汽内循环，管路封闭无废气和废水外排，满足生物安全的灭菌需求。
- 配有高精度气体过滤装置，有效滤除直径大于0.22 μm 微粒。
- 设有废水取样口，便于对废水按要求及时处理。
- 灭菌室具有外加热保温装置，电脑程序可自动调节控制加热温度和时间。
- 配有真空度可以达到-0.09MPa以下无油真空泵，具有脉动真空和加热膜双干燥功能。
- 采用低重心，高载荷可调节脚轮，可360°转弯移位。
- 设计压力0.38MPa（温度150℃），灭菌使用温度范围105~136℃，灭菌时间0~6500min，压力表量程：-0.1~0.3MPa，双安全阀压力超过0.24MPa自动排放蒸汽。
- 微电脑全自动控制，预置器械、包裹、溶液、橡胶、医废和培养基六个一键选择的固定灭菌程序和预热、保温、溶解三个辅助程序，预置程序参数可按需求进行修改，并有自定义程序可满足多种灭菌需求。
- 设有DB测试和真空测试二个程序，用于测试设备真空泄漏率、排气能力和蒸汽穿透率。
- 预约定时启动和预热功能，可按预约设定时间自动运行，预约时间设定0~9999min。
- 对非液体类程序，预热、脉动、升温、灭菌、排气、干燥过程全自动控制；对于液体类程序，预热、升温、灭菌、排气过程全自动控制。
- 标配打印机，可实时打印灭菌温度、时间、压力、F0值等灭菌数据。另有USB接口，可把系统自动记录的灭菌数据拷贝U盘保存。
- 配有Pt100温度传感器，用于对多点温度、压力进行验证的TT/PT测试接口。
- 具有查看当前时间、灭菌次数、故障发生时间及代码功能。
- 具有高原压力、内室压力、内室温度补偿功能。
- 脉动冷空气自动排放，灭菌结束蒸汽自动全排、微排、不排或手动排放可选择。
- 双风机散热冷却系统，回空阀防止产生负压功能。
- 后台安全测试程序，故障自动检测系统，超温、超压、漏电、过流、短路、低水位及各类故障蜂鸣声光报警，液晶屏显示报警代码和报警信息，灭菌程序自动停止。
- 断电记忆储存功能，灭菌结束声光提示并文字显示“可以开门”，具有快速维修窗口。

Performance and characteristics

- All of products are made from SUS304 stainless steel with 2.5mm thickness, big diameter vertical structure design and airproof ring made of silicon rubber.
- 12 bolts are inserted with simultaneous stretchable switch structure. The lid automatically vertically open with thermal insulation and hot safe protector.
- Adopt electronic, mechanical, pressure and temperature cooling multiple safety interlock protection devices. Check the system when the lid is closed. The equipment cannot be started unless the lid is closed properly. System will be unlocked until temperature and pressure are dropped to the set number with on and off operation prompt tone.
- Full color 7-inch LCD is set on the top, which can be used in both Chinese and English, and the sterilization procedure and parameters can be selected with a touch panel.
- Dynamic digital display of pressure, temperature, time and alarm information. Dynamic curve display of the whole operation process. Get access to the status interface to check the current operation program, and full automatic display dynamic sterilization process.
- Use three-level independent password and fingerprint identification to control the entry operation.
- Built in independent water tank and electric evaporator for easy cleaning, the water shortage alarm automatically cuts off the heating power supply.
- Built in steam condensation system, internal steam circulation, closed pipeline without exhaust gas and waste water discharge to meet the requirements of bio-safety sterilization.
- Equipped with high-precision gas filtering device to effectively filter particles which diameter is greater than 0.22 μm .
- Waste water sampling chamber is set to facilitate timely treatment of waste water as required.
- The sterilization chamber is equipped with an external heat preservation device, and the computer program can automatically adjust and control the heating temperature and time.
- It is equipped with oil-free vacuum pump whose vacuum degree can reach below -0.09MPa, and it has the double drying function of pulsating vacuum and heating.
- Equipped with the low center of gravity and high load adjustable castors for the use of 360° turning and shifting.
- Design pressure: 0.38MPa (temperature: 150℃), sterilization temperature range: 105~136℃, sterilization time: 0~6500min, pressure gauge range: -0.1~0.3MPa. Steam will be automatically discharged when the pressure of double safety valve exceeds 0.24MPa.
- Microcomputer fully automatic control and designed with preset six selected fixed sterilization procedures including instrument, package, solution, rubber, medical waste and culture medium, and three prescribed processes with preheating, heat preservation and dissolution. Preset program parameters can be modified as required, and customized programs can meet a variety of sterilization needs.
- DB test and vacuum test are set to test the vacuum leakage rate, exhaust capacity and steam penetration rate of equipment.
- The reservation timing start and preheating function can automatically run according to the reservation setting time, and the reservation time is set to 0~9999min.
- For non liquid programs, preheating, pulsation, temperature rise, sterilization, exhaust and drying processes are fully automatically controlled; For liquid programs, preheating, heating, sterilization and exhaust processes are fully automatically controlled.
- Equipped with printer to print real-time sterilization data such as sterilization temperature, time, pressure, F0 value etc. USB interface is designed to automatically record the data for the use of saving in the USB flash disk.
- Equipped with Pt100 temperature sensor, which is used for TT/PT test interface to verify multi-point temperature and pressure.
- It has the function of viewing the current time, sterilization times, faulty occurrence time and code.
- It has the function of plateau pressure, chamber pressure and chamber temperature compensation.
- Automatic discharge of pulsating cold air. Automatic full discharge, micro discharge, no discharge or manual discharge of steam after sterilization can be selected.
- Double fan cooling system and return valve prevent negative pressure.
- Equipped with back-end safety test program and automatic fault detection system. The sterilization program will automatically stop if there is audible and visual alarm for over temperature, over voltage, leakage, over current, short circuit, low water level and various faults. And LCD display the alarm code and alarm information.
- Power off memory storage function, sound and light prompt after sterilization and text display 'can open the door', with a quick maintenance window.