

Infection Control Systems

For health Be credible



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*Version: 2016-1



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MAST-A Steam Sterilizer

Product introduction

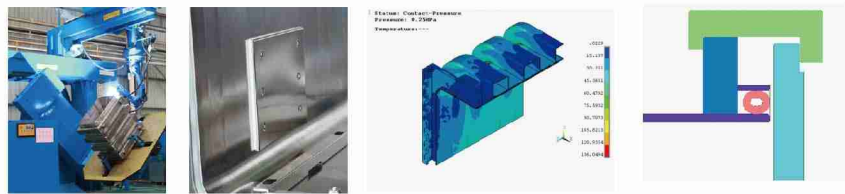
MAST-A is a fast, compact and versatile sterilizer which is researched and developed according to the latest requirements of medical institution and CSSD. It is designed and manufactured combines high capacity with cost-efficiency, while offering high operating reliability and easy maintenance.

The design of chamber accords with state GB1502011, GB8599-2008, CE and European EN285 standard.

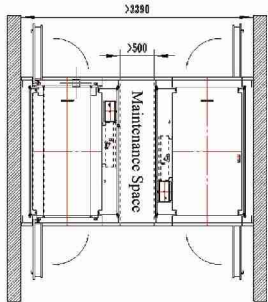


Product features

- Superb chamber machining and welding process**
The acid-proof stainless steel chamber and jacket are automatically robot-welded to guarantee long time and trouble-free operation.
- Nice chamber surface**
Surface Smoothness, Ra≤0.5; No welding part or bolt in the chamber which effectively protects the items to be sterilized. Steam baffle plates are surrounded by silicon rubber protecting the chamber surface.
- Reliable and durable chamber**
Chamber is designed according to professional analytical method. High-emulation software ANSYS is used for chamber simulation. Design service life: 10 years (or 20000 times sterilization)
- Reasonable sealing structure**
Compact designed sealing groove, durable circular hollow silicon gasket, sealed by compressed air.
- Hanged door automatically**
The door is driven by a motor automatically, stable and easy operation. Door concave-convex tooth structure ensures its safety and durability.



- Precise pressure detecting and control**
Intelligent pressure transmitters, Wika (Germany), ensure steam pressure detecting and control both in Chamber and jacket.
- Unique vacuum noise-reduction system**
LNS low-noise and water-saving vacuum system, effective reduced the noise during running.
- Humanized operation system**
Colorful touch screen on loading-side, 6 indicating lamps on unloading sides, which are concise, vivid and exactly showing sterilization running status and alarming information.
- Reasonable pipeline layout**
All the pipes, valves and components are designed and installed in single side, which is more convenience for repair and maintenance. The sterilizers can be installed against the wall and also, two sterilizers can use the same maintenance space to save installation space.



Scientific design parameters, wide scope of application

| Item | Chamber | Jacket |
|----------------------------|----------|--------|
| Design pressure MPa | -0.1/0.3 | 0.3 |
| Design temperature ℃ | 144 | 144 |
| Working pressure MPa | 0.25 | 0.25 |
| Max. Working temperature ℃ | 139 | 139 |
| Safety valve open pressure | 0.28 | 0.28 |



Loading-side Panel



8" Colorful display touch screen
Powerful PLC as cetral processor

Display information on main menu:

- P-Chamber
- T-Chamber
- P-Jacket
- Door operation
- Alarm recording
- Log out
- Quick start
- Run program
- Auxiliary function
- Program setting
- System setting
- Date

32 built-in programs

- 1 Warm Up
- 2 B&D Test
- 3 Fabric
- 4 Instrument
- 5 Thermolabile
- 6 Flash
- 7 Orthopedics
- 8 Leak Test
- 9 Prion
- 10 Optical
- 11 Heavy Load
- 12 Small Load
- 13 Open Liquid
- 14 Gravity
- 15 Positive
- 16 Dry
- 17 PCD Test
- 18 A/D Test
- 19-32 User Defined

Unloading-side Panel



Humanistic indicating system

- Back door closing indicating lamp
- Back door closed lamp
- Cycle running lamp
- Cycle end indicating lamp
- Breakdown indicating lamp
- Power lamp

Sterilization consumables

1 Sterilizer control

2 Parcel outer control

3 Loading control

4 Parcel inner control

5 Packing control

6 Record system

Technical parameters

| Model | Volume (L) | Order code | Net weight (kg) | Input power (kVA) | Power supply (W×H×Dmm) | Chamber dimension (W×H×Dmm) | Overall dimension (W×H×Dmm) | Remark |
|-------------|------------|------------------|-----------------|-------------------|------------------------|-----------------------------|-----------------------------|--|
| MAST-A-140 | 146 | MAST-A-140D-A-N | 425 | 2.5 | AC 380V,50Hz | 420×420×830 | 1035×1700×1100 | single door/external steam supply/shelf load |
| | | MAST-A-140DD-A-N | 525 | 18 | AC 380V,50Hz | 420×420×830 | 1035×1700×1100 | single door/built-in electric steam generator/shelf load |
| | | MAST-A-140S-A-N | 510 | 2.5 | AC 380V,50Hz | 420×420×830 | 1035×1700×1200 | double door/external steam supply/shelf load |
| | | MAST-A-140SD-A-N | 610 | 18 | AC 380V,50Hz | 420×420×830 | 1035×1700×1200 | double door/built-in electric steam generator/shelf load |
| MAST-A-240 | 241 | MAST-A-240D-A-N | 580 | 2.5 | AC 380V,50Hz | 600×600×670 | 1286×1848×1000 | single door/external steam supply/shelf load |
| | | MAST-A-240DD-A-N | 660 | 24 | AC 380V,50Hz | 600×600×670 | 1286×1848×1000 | single door/built-in electric steam generator/shelf load |
| | | MAST-A-240S-A-N | 660 | 2.5 | AC 380V,50Hz | 600×600×670 | 1286×1848×1100 | double door/external steam supply/shelf load |
| | | MAST-A-240SD-A-N | 720 | 24 | AC 380V,50Hz | 600×600×670 | 1286×1848×1100 | double door/built-in electric steam generator/shelf load |
| | | MAST-A-240D-B-N | 600 | 2.5 | AC 380V,50Hz | 600×600×670 | 1286×1848×1000 | single door/external steam supply/cart and trolley load |
| | | MAST-A-240DD-B-N | 680 | 24 | AC 380V,50Hz | 600×600×670 | 1286×1848×1000 | single door/built-in electric steam generator/trolley load |
| | | MAST-A-240S-B-N | 680 | 2.5 | AC 380V,50Hz | 600×600×670 | 1286×1848×1100 | double door/external steam supply/trolley load |
| | | MAST-A-240SD-B-N | 740 | 24 | AC 380V,50Hz | 600×600×670 | 1286×1848×1100 | double door/built-in electric steam generator/trolley load |
| MAST-A-350 | 352 | MAST-A-350D-A-N | 780 | 2.5 | AC 380V,50Hz | 600×600×980 | 1286×1848×1225 | single door/external steam supply/shelf load |
| | | MAST-A-350DD-A-N | 880 | 24 | AC 380V,50Hz | 600×600×980 | 1286×1848×1225 | single door/built-in electric steam generator/shelf load |
| | | MAST-A-350S-A-N | 860 | 2.5 | AC 380V,50Hz | 600×600×980 | 1286×1848×1240 | double door/external steam supply/shelf load |
| | | MAST-A-350SD-A-N | 960 | 24 | AC 380V,50Hz | 600×600×980 | 1286×1848×1240 | double door/built-in electric steam generator/shelf load |
| | | MAST-A-350D-B-N | 880 | 2.5 | AC 380V,50Hz | 600×600×980 | 1286×1848×1225 | single door/external steam supply/cart and trolley load |
| | | MAST-A-350DD-B-N | 1000 | 24 | AC 380V,50Hz | 600×600×980 | 1286×1848×1225 | single door/built-in electric steam generator/trolley load |
| | | MAST-A-350S-B-N | 960 | 2.5 | AC 380V,50Hz | 600×600×980 | 1286×1848×1240 | double door/external steam supply/trolley load |
| | | MAST-A-350SD-B-N | 1080 | 24 | AC 380V,50Hz | 600×600×980 | 1286×1848×1240 | double door/built-in electric steam generator/trolley load |
| MAST-A-650 | 655 | MAST-A-650D-B-N | 1170 | 4 | AC 380V,50Hz | 610×910×1180 | 1286×1980×1400 | single door/external steam supply/cart and trolley load |
| | | MAST-A-650DD-B-N | 1270 | 46 | AC 380V,50Hz | 610×910×1180 | 1286×1980×1400 | single door/built-in electric steam generator/trolley load |
| | | MAST-A-650S-B-N | 1270 | 4 | AC 380V,50Hz | 610×910×1180 | 1286×1980×1420 | double door/external steam supply/trolley load |
| | | MAST-A-650SD-B-N | 1370 | 46 | AC 380V,50Hz | 610×910×1180 | 1286×1980×1420 | double door/built-in electric steam generator/trolley load |
| MAST-A-810 | 810 | MAST-A-810D-B-N | 1260 | 4 | AC 380V,50Hz | 610×910×1460 | 1286×1980×1670 | single door/external steam supply/cart and trolley load |
| | | MAST-A-810DD-B-N | 1360 | 61 | AC 380V,50Hz | 610×910×1460 | 1286×1980×1670 | single door/built-in electric steam generator/trolley load |
| | | MAST-A-810S-B-N | 1360 | 4 | AC 380V,50Hz | 610×910×1460 | 1286×1980×1700 | double door/external steam supply/trolley load |
| MAST-A-990 | 999 | MAST-A-810SD-B-N | 1460 | 61 | AC 380V,50Hz | 610×910×1460 | 1286×1980×1700 | double door/built-in electric steam generator/trolley load |
| | | MAST-A-990D-B-N | 1300 | 4 | AC 380V,50Hz | 610×910×1800 | 1286×1980×2020 | single door/external steam supply/cart and trolley load |
| | | MAST-A-990DD-B-N | 1400 | 61 | AC 380V,50Hz | 610×910×1800 | 1286×1980×2020 | single door/built-in electric steam generator/trolley load |
| | | MAST-A-990S-B-N | 1400 | 4 | AC 380V,50Hz | 610×910×1800 | 1286×1980×2040 | double door/external steam supply/trolley load |
| MAST-A-1200 | 1203 | MAST-A-990SD-B-N | 1500 | 61 | AC 380V,50Hz | 610×910×1800 | 1286×1980×2040 | double door/built-in electric steam generator/trolley load |
| | | MAST-A-1200D-B-N | 1950 | 5 | AC 380V,50Hz | 680×1180×1500 | 1445×1940×1755 | single door/external steam supply/cart and trolley load |
| MAST-A-1500 | 1500 | MAST-A-1200S-B-N | 2050 | 5 | AC 380V,50Hz | 680×1180×1500 | 1445×1940×1760 | double door/external steam supply/trolley load |
| | | MAST-A-1500D-B-N | 2111 | 5 | AC 380V,50Hz | 680×1180×1870 | 1445×1940×2115 | single door/external steam supply/cart and trolley load |
| | | MAST-A-1500S-B-N | 2211 | 5 | AC 380V,50Hz | 680×1180×1870 | 1445×1940×2130 | double door/external steam supply/trolley load |

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|--------|--|
| MAST-A | Model instruction |
| 350 | Chamber volume (L) |
| S | Door: S- double door D- single door |
| D | Steam supply: no marks- outer steam supply D- built-in steam generator |
| A | Installation: A- Shelf loading B- Loading by cart and trolley |
| N | Exportation Configuration |

A series Shelf loading

B series Loading by carts and transfer trolley