

SHINVA



CIMA<sup>®</sup>  
Industries Inc.  
Pharmaceutical Equipment

# MAST-A PULSE VACUUM STERILIZER (HIGH END)



*Integral solutions  
in medical equipment*

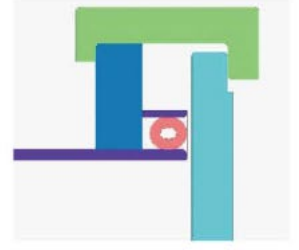
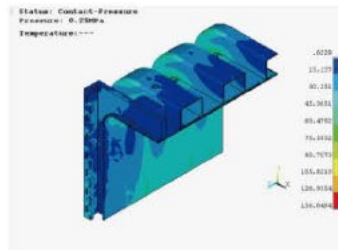
# MAST -A PULSE VACUUM STERILIZER (HIGH-END)

## PRODUCT INTRODUCTION

MAST-A is a high-temperature sterilizer which is researched and developed according to the latest requirements of medical institution and CSSD. It is designed and manufactured by referring to latest relative state standards to meet all sterilizing requirements of CSSD. The design of chamber accords with state GB1502011 , GB8599-2008, and European EN285 standard.

## PRODUCT FEATURES

- **Strict and standard manufacture process for product main body**  
MAST-A pulse vacuum sterilizer is welded by welding robot to guarantee the normalization and uniformity of the main body manufacture.
- **No welding part on chamber wall**  
MAST-A pulse vacuum sterilizer has none welding part or bolt in the chamber which effectively protects the parcels to be sterilized. The chamber silicon rubber pad which is used to protect the chamber inner wall extends service life.
- **Reliable and durable main body**  
The main body of MAST-A pulse vacuum sterilizer is designed according to professional analytical method. The modern high-emulation software ANSYS is used for main body model simulation design. Design service life: 10 years (or 20000 times sterilization)
- **Reasonable sealing structure**  
MAST-A pulse vacuum sterilizer adopts durable circular hollow sealing ring which is driven by compressed air.
- **Intelligent pressure controller between the chamber and jacket**  
MAST-A pulse vacuum sterilizer adopts intelligent pressure controller to guarantee steam pressure and quality.



## STERILIZATION GUARANTEE

**1 Sterilizer control**

**2 Parcel outer control**

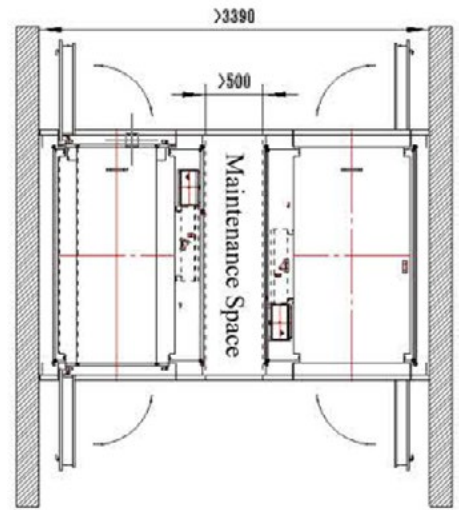
**3 Loading control**

**4 Parcel inner control**

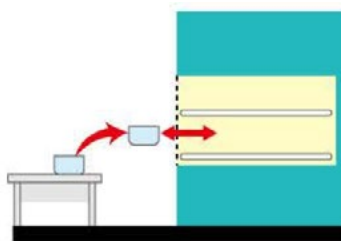
**5 Packing control**

**6 Record system**

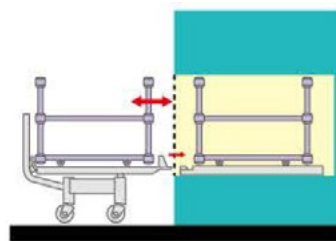
- **Unique vacuum noise-reduction device**  
MAST-A series sterilizer equipped with LNS low-noise and water-saving vacuum system to reduce the operation noise.
- **Humanized operation system**  
To meet user's need on unloading side, MAST-A pulse vacuum sterilizer adopts double-screen structure. Both loading and unloading sides have a screen to display sterilizer running status and alarming information.
- **Reasonable pipeline layout that realizes single-side repair**  
MAST-A pulse vacuum sterilizer pipeline realizes single-side repair so that the sterilizer can be installed against the wall. Also, two sterilizers can use same repair space to save installation space.
- **Multiple sterilizing programs**  
Compare with traditional sterilizer, MAST-A series sterilizer equipped with functions of steam pressure detection and steam saturation measurement. Also, the sterilizer has multiple sterilizing and testing programs such as PCD, rapid, rubber and custom, etc.
- **Gorgeous appearance design**
- **Scientific design parameters, wide scope of application**



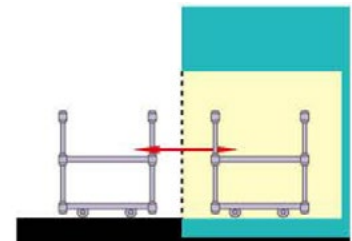
Clauses	Chamber	Jacket
Design presser MPa	-0.1/0.3	0.3
Design temperature °C	144	144
Working pressure MPa	0.25	0.25
Working temperature °C	139	139
Opening pressure of safety valve MPa	0.28	0.28



Loading trolley placement



Transfer/sterilization trolley placement



Sterilization trolley placement

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- build-in steam generator S- steam and electric dual-use
A	Installation: A- loading trolley B- transfer trolley C-pit installation
T	Auxiliary order code: no marks- not tailor-made T- tailor-made
L	Configuration classes: L- low end No marks- standard H- high end

Model	Volume (L)	Ordercode	Netweight (KG)	Control power (VIKW)	Motivepower (VIKW)	Chamber dimention (W X H X D mm)	Overall dimention (W X H X D mm)	Note
MAST-A-140	146	MAST-A-140D-A-H	425	220/0.5	380/1.5	420 X 420 X 830	880 X 1730 X 1166	Single door /outer steam supply/loading trolley
		MAST-A-140DD-A-H	525	220/0.5	380/16.5	420 X 420 X 830	880 X 1730 X 1166	Single door/build-in electric steam generator/loading trolley
		MAST-A-140DS-A-H	530	220/0.5	380/16.5	420 X 420 X 830	880 X 1730 X 1166	Single door /steam and electric dual-use/loading trolley
		MAST-A-140S-A-H	510	220/0.5	380/1.5	420 X 420 X 830	880 X 1730 X 1266	Double door/outer steam supply/loading trolley
		MAST-A-140SD-A-H	610	220/0.5	380/16.5	420 X 420 X 830	880 X 1730 X 1266	Double door/build-in electric steam generator/loading trolley
		MAST- -140SS-A-H	615	220/0.5	380/16.5	420 X 420 X 830	880 X 1730 X 1266	Double door/steam and electric dual-use/loading trolley
MAST-A-240	241	MAST-A-240D-A-H	580	220/0.5	380/1.5	600 X 600 X 670	1286 X 1848 X 1000	Single door /outer steam supply/loading trolley
		MAST-A-240DD-A-H	660	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1000	Single door/build-in electric steam generator/loading trolley
		MAST-A-240DS-A-H	670	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1000	Single door/steam and electric dual-use/loading trolley
		MAST-A-240S-A-H	660	220/0.5	380/1.5	600 X 600 X 670	1286 X 1848 X 1100	Double door/outer steam supply/loading trolley
		MAST-A-240SD-A-H	720	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1100	Double door/build-in electric steam generator/loading trolley
		MAST-A-240SS-A-H	730	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1100	Double door/steam and electric dual-use/loading trolley
		MAST-A-240D-B-H	600	220/0.5	380/1.5	600 X 600 X 670	1286 X 1848 X 1000	Single door /outer steam supply/Transfer trolley
		MAST-A-240DD-B-H	680	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1000	Single door/build-in electric steam generator/Transfer trolley
		MAST-A-240DS-B-H	690	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1000	Single door/steam and electric dual-use/Transfer trolley
		MAST-A-240S-B-H	680	220/0.5	380/1.5	600 X 600 X 670	1286 X 1848 X 1100	Double door/outer steam supply/Transfer trolley
		MAST-A-240SD-B-H	740	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1100	Double door/build-in electric steam generator/Transfer trolley
		MAST-A-240SS-B-H	750	220/0.5	380/21.5	600 X 600 X 670	1286 X 1848 X 1100	Double door/steam and electric dual-use/Transfer trolley
MAST-A-350	352	MAST-A-350D-A-H	780	220/0.5	380/1.5	600 X 600 X 980	1286 X 1848 X 1310	Single door/outer steam supply/loading trolley
		MAST-A-350DD-A-H	880	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1310	Single door/build-in electric steam generator/loading trolley
		MAST-A-350DS-A-H	880	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1310	Single door /steam and electric dual-use/loading trolley
		MAST-A-350S-A-H	860	220/0.5	380/1.5	600 X 600 X 980	1286 X 1848 X 1410	Double door/outer steam supply/loading trolley
		MAST-A-350SD-A-H	960	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1410	Double door/build-in electric steam generator/loading trolley
		MAST-A-350SS-A-H	970	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1410	Double door/steam and electric dual-use/loading trolley
		MAST-A-350D-B-H	880	220/0.5	380/1.5	600 X 600 X 980	1286 X 1848 X 1310	Single door/outer steam supply/Transfer trolley
		MAST-A-350DD-B-H	1000	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1310	Single door/build-in electric steam generator/Transfer trolley
		MAST-A-350DS-B-H	1000	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1310	Single door/steam and electric dual-use/Transfer trolley
		MAST-A-350S-B-H	960	220/0.5	380/1.5	600 X 600 X 980	1286 X 1848 X 1410	Double door/outer steam supply/Transfer trolley
		MAST-A-350SD-B-H	1080	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1410	Double door/build-in electric steam generator/Transfer trolley
		MAST-A-350SS-B-H	1080	220/0.5	380/21.5	600 X 600 X 980	1286 X 1848 X 1410	Double door/steam and electric dual-use/Transfer trolley
MAST-A-650	655	MAST-A-650D-B-H	1170	220/0.5	380/2.5	610 X 910 X 1180	1286 X 1980 X 1522	Single door /outer steam supply/Transfer trolley
		MAST-A-650DD-B-H	1270	220/0.5	380/42.5	610 X 910 X 1180	1286 X 1980 X 1522	Single door/build-in electric steam generator/Transfer trolley
		MAST-A-650DS-B-H	1240	220/0.5	380/42.5	610 X 910 X 1180	1286 X 1980 X 1522	Single door /steam and electric dual-use/Transfer trolley
		MAST-A-650S-B-H	1270	220/0.5	380/2.5	610 X 910 X 1180	1286 X 1980 X 1602	Double door/outer steam supply /Transfer trolley
		MAST-A-650SD-B-H	1370	220/0.5	380/42.5	610 X 910 X 1180	1286 X 1980 X 1602	Double door/build-in electric steam generator/Transfer trolley
		MAST-A-650SS-B-H	1380	220/0.5	380/42.5	610 X 910 X 1180	1286 X 1980 X 1602	Double door/steam and electric dual-use/Transfer trolley
MAST-A-810	810	MAST-A-810D-B-H	1260	220/0.5	380/2.5	610 X 910 X 1460	1286 X 1980 X 1802	Single door/outer steam supply/Transfer trolley
		MAST-A-810DD-B-H	1360	220/0.5	380/42.5	610 X 910 X 1460	1286 X 1980 X 1802	Single door/build-in electric steam generator/Transfer trolley
		MAST-A-810DS-B-H	1360	220/0.5	380/42.5	610 X 910 X 1460	1286 X 1980 X 1802	Single door/steam and electric dual-use/Transfer trolley
		MAST-A-810S-B-H	1360	220/0.5	380/2.5	610 X 910 X 1460	1286 X 1980 X 1802	Double door /outer steam supply/Transfer trolley
		MAST-A-810SD-B-H	1460	220/0.5	380/42.5	610 X 910 X 1460	1286 X 1980 X 1802	Double door/build-in electric steam generator/Transfer trolley
		MAST-A-810SS-B-H	1460	220/0.5	380/42.5	610 X 910 X 1460	1286 X 1980 X 1802	Double door/steam and electric dual-use/Transfer trolley
MAST-A-990	999	MAST-A-990D-B-H	1300	220/0.5	380/2.5	610 X 910 X 1800	1286 X 1980 X 2142	Single door/outer steam supply/Transfer trolley
		MAST-A-990DD-B-H	1400	220/0.5	380/56.5	610 X 910 X 1800	1286 X 1980 X 2142	Single door/build-in electric steam generator/Transfer trolley
		MAST-A-990DS-B-H	1400	220/0.5	380/56.5	610 X 910 X 1800	1286 X 1980 X 2142	Single door/steam and electric dual-use/Transfer trolley
		MAST-A-990S-B-H	1400	220/0.5	380/2.5	610 X 910 X 1800	1286 X 1980 X 2222	Double door/outer steam supply/Transfer trolley
		MAST-A-990SD-B-H	1500	220/0.5	380/56.5	610 X 910 X 1800	1286 X 1980 X 2222	Double door/build-in electric steam generator/Transfer trolley
		MAST-A-990SS-B-H	1500	220/0.5	380/56.5	610 X 910 X 1800	1286 X 1980 X 2222	Double door/steam and electric dual-use/Transfer trolley
MAST-A-1200	1203	MAST-A-1200D-B-H	1950	220/0.5	380/2.5	680 X 1180 X 1500	1445 X 1940 X 1890	Single door /outer steam supply/Transfer trolley
		MAST-A-1200D-C-H	1950	220/0.5	380/2.5	680 X 1180 X 1500	1445 X 1940 X 1890	Single door/outer steam supply/pit installation
		MAST-A-1200S-B-H	2050	220/0.5	380/2.5	680 X 1180 X 1500	1445 X 1940 X 1950	Double door/outer steam supply/Transfer trolley
		MAST-A-1200S-C-H	2050	220/0.5	380/2.5	680 X 1180 X 1500	1445 X 1940 X 1950	Double door/outer steam supply/pit installation
MAST-A-1500	1500	MAST-A-1500D-B-H	2111	220/0.5	380/4	680 X 1180 X 1870	1445 X 1940 X 2280	Single door/outer steam supply/Transfer trolley
		MAST-A-1500D-C-H	2111	220/0.5	380/4	680 X 1180 X 1870	1445 X 1940 X 2280	Single door/outer steam supply/pit installation
		MAST-A-1500S-B-H	2211	220/0.5	380/4	680 X 1180 X 1870	1445 X 1940 X 2320	Double door /outer steam supply/Transfer trolley
		MAST-A-1500S-C-H	2211	220/0.5	380/4	680 X 1180 X 1870	1445 X 1940 X 2320	Double door/outer steam supply/pit installation



World Trade Center. 1er Piso, Área Comercial  
Calle 53 Marbella. Apartado 0832-00155 WTC  
Panamá, República de Panamá  
Tel. +507 205 1915 Fax. +507 205 1802

Address: No. 2009 Xinglu Ave. Shinva Science Park, Zhoucun, Zibo,  
Shandong Province, P. R. China  
Postcode:255300  
Sales telephone: 0086-533-3581273  
Email: xhmed@vip.163.com  
Website: www.shinva.com

