

## TECHNICAL DATA SHEET

### SHINVA MAST-A Motorized Door Pulse-vacuum Pressure Steam Sterilizer



Reference photograph. Confirm accessories and configuration in the quotation.

Vacuum pressure steam and motor door pulse

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, and European EN285 standard.

Product features

I 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.

I Nice chamber surface

Surface Smoothness,  $Ra \leq 0.5$ ; 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.

I 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)

I Reasonable sealing structure

Compact designed sealing groove, durable circular hollow silicon gasket, sealed by compressed air.

I 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.

I Precise pressure detecting and control

Intelligent pressure transmitters, Wika (Germany), ensure steam pressure detecting and control both in Chamber and jacket.

I Unique vacuum noise-reduction system

LNS low-noise and water-saving vacuum system, effectively reduced the noise during running.

I 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.

I Reasonable pipeline layout

All the pipes, valves and components are designed and installed in single side, which is more convenient 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 °C

144

144

Working pressure MPa

0.25

0.25

Max. Working temperature °C

139

139

Safety valve open pressure

0.28

0.28

7.0" SIEMENS color display touch screen

CPU226 SIEMENS PLC as central processor

Display information:

Jacket pressure P1

Chamber pressure P2

Chamber temperature T2

Door operation

Printer ON/OFF

Operator ID and password

Alarm display and record

Program selection  
Cycle process and values in real time  
System parameter setting  
Manual operation  
A variety of program  
Fabric 121°C and 134°C  
Instrument 121°C and 134°C  
Liquid 121°C  
Rubber 121°C  
Flash 134 °C  
Gravity 121°C  
Automatic leak test  
User-defined  
Demo  
Humanistic indicating system  
Back door closing indicating lamp  
Cycle running lamp  
Cycle end indicating lamp  
Breakdown indicating lamp  
Power lamp

Panama | Central America | Caribbean | CARICOM

Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.