

H₂O₂ Low temperature plasma sterilizer

For health Be credible



ACOTA

Verweylaan 10,9725GM,
Groningen, The Netherlands
Email: info@acota-medical.com
www.acota-medical.com

ACOTA B.V.

H₂O₂ Low temperature plasma sterilizer



AS-100 high-end



AS-100 incubator (alternative)



AS-100 standard



AS-200



AS-40

Equipment Breif Introduction

Acota hydrogen peroxide(H₂O₂) plasma sterilization system is at low temperature(50±5℃), under low pressure(50-70Pa), uses H₂O₂ as sterilizing agent, applies a high-frequency voltage in the sterilization chamber to generate H₂O₂ plasma, combines with H₂O₂ gas and H₂O₂ plasma to realize low temperature drying and sterilization on the items in chamber, and at the same, dissociates the residual H₂O₂ effectively, without hydrogen peroxide residue after sterilization.

This sterilizer is widely used for metallic, nonmetallic and wet/heat sensitive instrument in operating room, CSSD and other medical institutions.

High-end configuration

- The faster and more reliable intensive program takes only 45mins for sterilization;
- Smaller installation size, more humanized operation height;
- 10" color touch screen with new program design, more beautiful;
- Most famous brand components in the world, more stable and reliable.



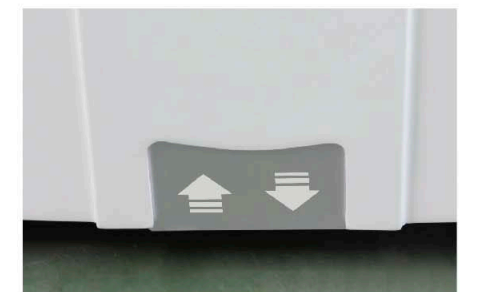
Advantages

- Low temperature sterilization**
 The sterilizing temperature is 50±5°C. Adopts dry sterilization which has no injury on instrument so that extends the instrument service life
- Safe and environment friendly**
 The products of sterilization are water and oxygen molecule that have no toxic harm to staff or patient, and there is no need for drainage or air exhausting. The high efficient H₂O₂ filter is installed in the exhausting outlet to guarantee no H₂O₂ pollution to the environment.
- Time-saving and cost-efficient**
 Rectangular chamber has greater capacity, high efficiency and short sterilizing cycle (≤ 50mins). The sterilized articles can be used directly without extra processing. It can increase the instrument turnover and decrease the storage of precious instrument to cut cost indirectly.
- Convenient**
 Only power supply is needed for installation. The system adopts man-machine control interface with intelligent program design. Equipped with foot switch (alternative) and integrated biological incubator (alternative).
- Multiple models**
 Both bottle-type and cartridge type H₂O₂ injection are available to order. The door structure of the sterilizer is customizable (single or double door). To meet pharmaceutical factory needs, the material can be stainless steel.
- Reliable sterilization**
 The chamber adopts aluminum material which has good thermal conductivity to guarantee a stable temperature in the chamber. The purification system makes the H₂O₂ diffuses uniformly. The low temperature storage system provides a stable concentration of H₂O₂.
- Safe sealing door**
 The sterilizer adopts mandril-driving auto overhead door with reliable sealing function and safe lock device to guarantee personal safety.
- Data management**
 The 2048M storage (alternative) can store original data for inquiry. Mini printer can be used to print operation data timely. There are two types of record methods to guarantee the data is 100% acquirable.
- Advanced configuration**
 The vacuum pump, controller, pressure transmitter and other key components are world famous brands. The sterilizer equipped with multiple programs and bar code identification system (alternative).
- Reassuring**
 We provide comprehensive operation training materials to key components maintenance intelligent reminding system for your convenience.
- Cartridge expiry management**
 RFID technology is adopted to identify the cartridge expiry date automatically, and record the capsule use information(optional).
- Pre-programmed vacuum test**
 Pre-programmed vacuum test secures the best effect to the drying of the articles.
- Maintenance access**
 Two maintenance access doors located on the both side of the unit

H₂O₂ Low temperature plasma sterilizer

Alternative configuration

- 10 " color touch screen**
 New screen program design, humanized operation
- USB flash disk storage**
 Timely sterilizing information storage to guarantee all data can be safely stored and traced during the sterilizer service life. This configuration can also be updated to traceability system.
- Integrated biological incubator**
 The biological incubator will timely display temperature and incubate time. It equipped with independent control system that could work in the case of the sterilizer switched off.
- Foot switch**
 Simply kick the switch to open or close the door.
- Aluminum storage rack (stainless steel as optional)**
 With the rails located in the chamber, easily taking out storage racks make the sterilized articles to be separately placed.
- Metallic sterilizing container**
 To improve sterilizing result, we provide various sterilizing container for different kinds of instruments and operation kits.
- Auto elevating trolley (304 stainless steel)**
 The trolley equipped with auto elevating platform, chargeable lithium battery. The convenient memory function could record three different positions.
- Manual cart**
 Made in 304 stainless steel , with three levels for the best efficient transportation and one time most sufficient baskets carrying.
 Cart level height fits the door opening to make the best labor saving.
 Four castors with diam 15cm to make the articles transportation much stable (Two with brakes)



Various baskets available



Manual trolley



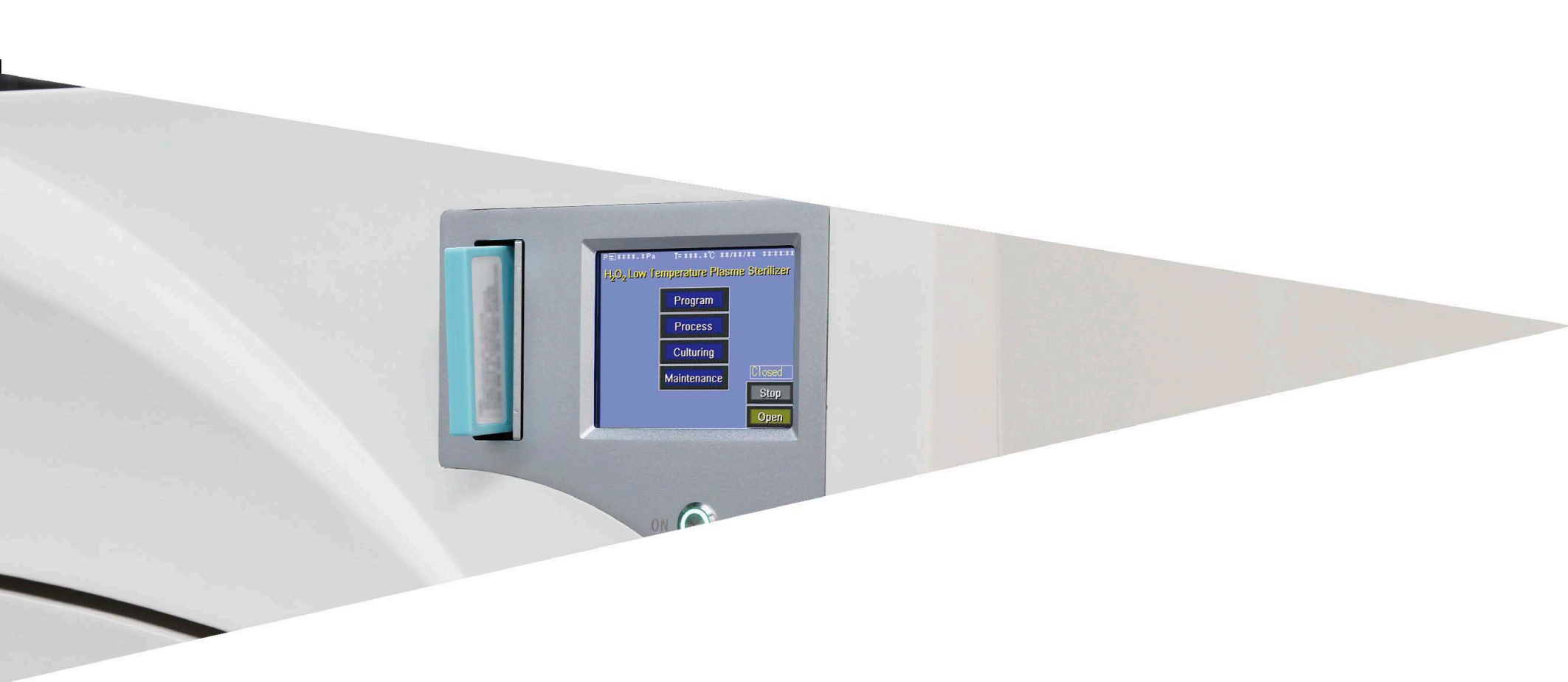
chamber storage rack



chamber



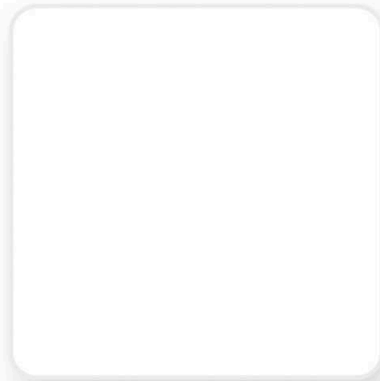
Auto-lifting trolley



Consumable items



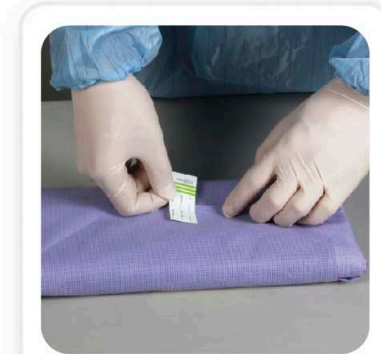
Biological indicator (self-contained)
Bacteria: Thermophilic fat bacillus
Quantum: 2~5×10⁶



Chemical indicator card



Microbicide
Name: hydrogen peroxide (H₂O₂)
Concentration: 60%
Specification: 12 inner containers/catridge



Chemical indicator label



Paper-plastic wrapping bag
Size: wide: 75/100/150/250mm



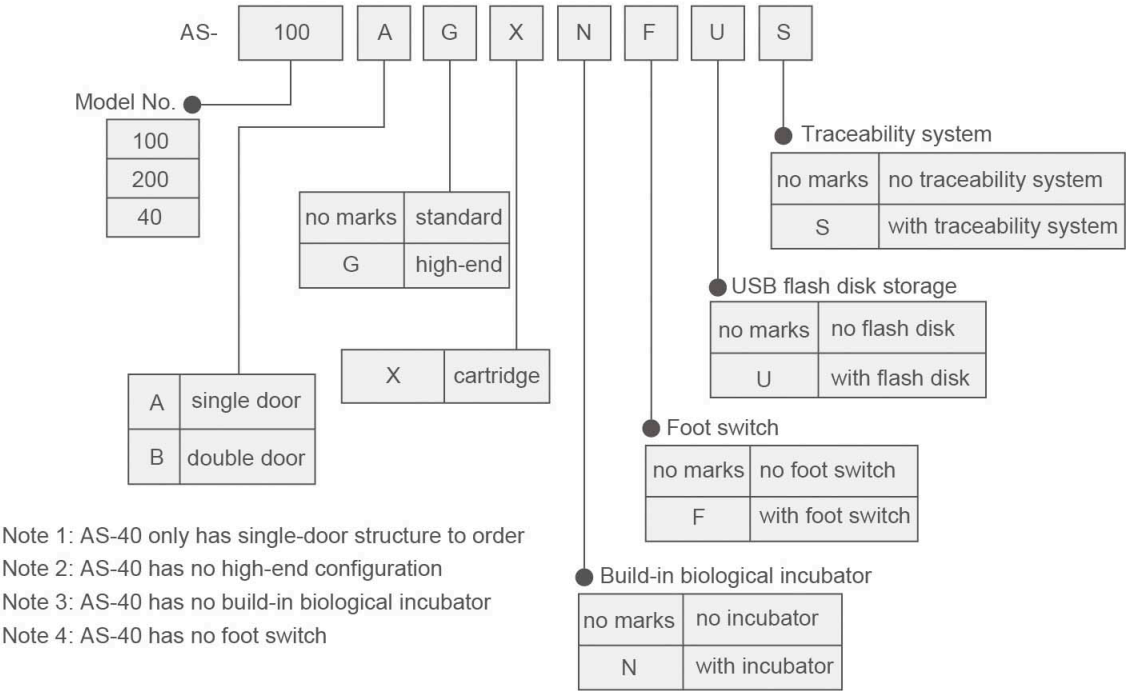
Non-woven fabric
Size: 500×500mm, 800×800mm,
1200×1200mm

Standard delivery contains:

1. A starting accessory kit to secure the beginning usage of the unit.
2. Manual trolley.
(Single door unit will be equipped with one manual trolley for loading) –M100 or M200
(Double door unit will be equipped with two manual trolleys for articles loading and unloading). -M100 or M200
3. Baskets
Single door will be including two baskets (for loading)
Double door will be including four baskets (for loading)

H₂O₂ Low temperature plasma sterilizer

Order code instruction



Technical Parameters

Model		AS-40X	AS-100X	AS-100GX	AS-200X
Parameters					
Chamber dimensions(LxWxH)mm		650x260x210	750x450x400	750x450x400	1250x450x400
Volume (L)		35.5	135	135	225
Overall dimensions (LxWxH)mm	Cartridge	850x660x680	990x760x1800	990x760x1700	1460x760x1800
Weight (Kg)		120	400	450	500
Power supply		220V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Power (Kw)		2	3	3.5	3.5
Environment temperature(°C)		10~40			
Minimum installation room (LxW)mm	Cartridge	1500x900	1500x900	1500x900	2000x900
Minimum repair distance		1 meter for each side			

Optional Voltage: 220V 60Hz

Auto elevating trolley

Order code		T-100	T-200
Parameters			
Overall dimensions(LxWxH)mm		1150×780×1165	1650×780×1165
Suitable sterilizer		AS-100	AS-200

Manual trolley

Order code		M-100	M-200
Parameters			
Overall dimensions(LxWxH)mm		985x450x920	1285x450x920
Suitable sterilizer		AS-100	AS-200