BAIX

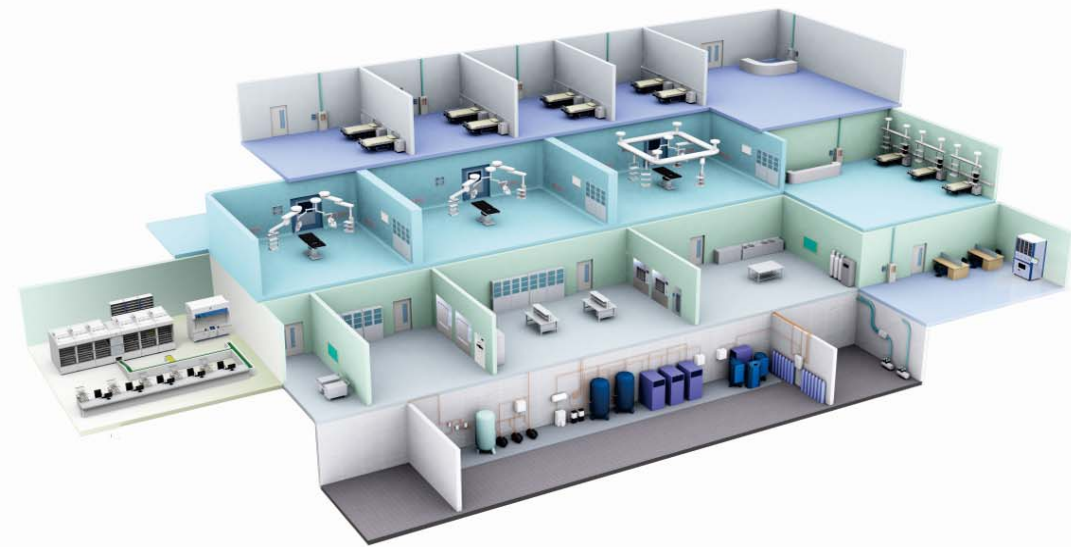## Suppliers for Life Support System Solutions

i-Steam™

Pulse Vacuum Steam Sterilizer

HS Series Pulse Vacuum Steam Sterilizer & Consumables

i-Or — Operation Room Laminar Flow Project

i-CssD — Digital Hospital Central Sterile Supply Department

i-Gas — Medical Gas Supply System

i-Pharm — Intelligent Pharmacy Dispenser for Out-patient & In-patient Departments

i-Train — Hospital Pneumatic Tube Transportation System
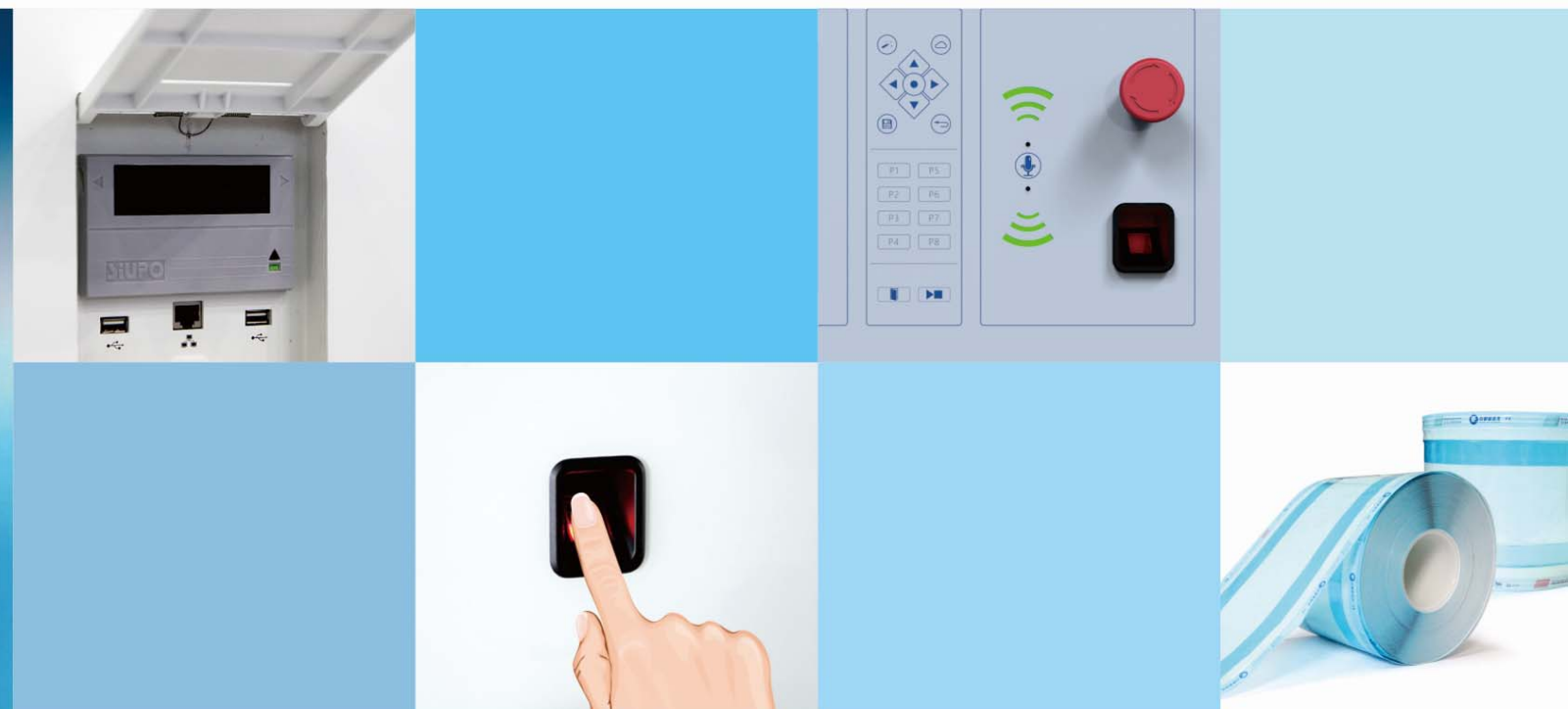
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i-Steam™ Advantages

Android System
Fingerprint Access Control
Voice Intercom
Infection Control Knowledge
Video Training
Cloud Backup
Cloud Recovery
User Manual
Industrial News

- The first manufacturer in the world to implement Android Operating System to steam sterilizer, which indicates that infection control equipment break into informational and intelligent age.

- The first manufacturer in the world to apply fingerprint access control to steam sterilizer, which is easier and faster for operators to enter the interface, and enhances the traceability.

- The first steam sterilizer in the world to be equipped with cloud service realizes the real-time monitoring anytime and anywhere.

- The first steam sterilizer in the world to have the function of text message notification (SMS) informs the operator of running status, cycle end, equipment faults and maintenance, etc.

- The first and only one in the world to play training video, online update of industrial news, infection control knowledge, and user manual.

- The first steam sterilizer in the world with the function of voice intercom enabling real-time communication between clean area and sterile area, which provides an easy way to communicate for CSSD staff.

i-Steam™ Quality Certificates

- Patent of steam sterilizer with traceability
- Patent of steam sterilizer with finger print identification
- Patent ofsteam sterilizer with function of text message
- Patent ofsteam sterilizer with voice intercom system

i-Steam™

Full Intelligent Steam Sterilizer

Smart Operating System

The equipment features Android operating system, one-touch operation.

"Cloud" Service

After connection with network, the equipment can be monitored real-time and operator can do remote control and download sterilization record.

Text Message Notification SMS

The equipment operating staff can get the information about running status of machine by text message SMS. (including running information and fault information)

Video Training

Users can receive operation training and infection control knowledge, etc. from the machine.

Online Service

Provide the latest news in medical field; Launch the latest equipment information; Update the newest industry knowledge; Provide operating manual and maintenance knowledge. Online service is available anytime.

Fingerprint Access Control

Users can access the operation interface by finger print ID or password. By using finger print ID technology, the equipment get physiological feature record of operators, so it can trace the responsibility of operators.

3G Internet Signal

BAIX "Cloud" Service Running Status

Sterilization Process

Real-time Monitoring of Chamber Temperature

Sterilization Curve

Remaining Cycle Time

Real-time Monitoring of Chamber Pressure

Sterilization Parameters

Running Status of Relative Spare Parts

Sterilization Interface

Double Synchronized High-Definition LCD

10 inch LCD with image resolution 800x600; and user friendly interface.

Voice Intercom System

BAIX voice intercom system enables the real-time communication between clean and sterile area.
The function of "voice filter" can identify voice between staff and environment, so that the high quality voice is guaranteed.
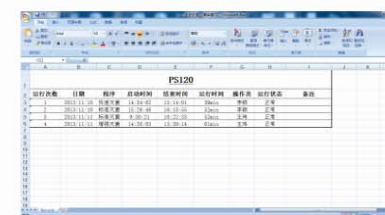
Network Connectivity

Provide RJ 45 wire connector, WIFI module, 3G network module and USB data interface.

Excel File Export

Sterilization data can be exported as excel file so that the record is available for all staff.

i-Steam™ HS150(single automatic door)

- Jacket Pressure Gage
- Chamber Pressure Gage
- Fingerprint Access Control
- 10-inch LCD Display
- Matrix Printer

| Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) |

⊞ Features

- Solid Stainless structure with annular strengthening ribs, extending life span of equipment to 15 years.
- Bottom structure of steam sterilizer guarantees that condensate water can be easily drained.
- Effective heat preservation measures are taken to minimize the energy consumption and release burden of room air-conditioning.
- Strict welding process guarantees high quality of main body.
- Automatic sliding door is saving space and operator friendly. The automatic sliding door is applied with safety protection devices and manual operation devices.
- Water-ring vacuum pump to shorten vacuum time and increase efficiency.
- 10 inch LCD display dynamically shows temperature, pressure and time, as well as other parameters; Door operation, parameters setting and program running can be controlled and monitored on screen and touch panel.

⊞ Technical Specifications

Model	Chamber Dimensions	Capacity	Overall Dimensions	Net Weight	Control Power (AC220V/50Hz/Kw)	Operational Power (3~AC380V/50Hz)	Maximum Water Consumption (kg/cycle)	Wrapped Cycle Time (kg/cycle)
HS150	460×460×720	0.15	1066×833×1732	350	0.5	23	120	40-50

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i-Steam™ HS150(double automatic door)

- Jacket Pressure Gage
- Chamber Pressure Gage
- Fingerprint Access Control
- Voice Intercom System
- 10-inch LCD Display

Back Door Touch Panel

- Steam Generator Pressure Gage
- Matrix Printer
- Synchronized Double-screen
- Voice Intercom System

| Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) | Voice Intercom System | Synchronized Double-screen |

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HS150(D)	460×460×720	0.15	1066×833×1732	400	0.5	23	120	40-50

i-Steam™ HS150(manual door)

Features

Vacuum Sterile Sterilization

- High quality water-ring vacuum pump; vacuum value can reach -0.090MPa after 3 times pulse vacuum; 0.22 μm air filter guarantees sterile air inside chamber.

User Friendly Control System

- The equipment is applied with pressure gage for chamber so that operator can monitor real-time
- Big size touch screen and easy operation
- Multi programs available for different articles to be sterilized
- After the end of cycle, if any fault occurs, a buzzer alarm is triggered.
- Rotating round door features easy operation and maintenance free.

Professional manufacturing techniques

- All cambered surface of structure is pressed through pattern by puncher and the surface is bright and clean which is good for sterilization
- Strict welding process guarantees high quality of main body.

Technical Specifications

Model	Chamber Dimensions Diameter*Depth	Capacity	Overall Dimensions	Net Weight	Control Power (AC220V/50Hz/Kw)	Operational Power (3−AC380V/50Hz)	Maximum Water Consumption (kg/cycle)	Wrapped Cycle Time (kg/cycle)
HS150	500 × 844	0.15	1090 × 750 × 1730	210	0.5	11	110	40-50

i-Steam™ HS240/360 (automatic door)

Jacket Pressure Gage
Chamber Pressure Gage
10-inch LCD Display
Voice Intercom System
Touch Panel
Fingerprint Access Control

Steam Generator Pressure Gage
Synchronized Double-screen
Voice Intercom System
Matrix Printer

Back Door Touch Panel

Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) | Voice Intercom System | Synchronized Double-screen

Features

Brand New Structure Design

Brand new product design, the product is designed and manufactured completely in compliance with the new national GB8599-2008 Technical Requirements for Large Steam Sterilizers

Low Carbon and Environment-Friendly

Main body of the machine and the pipeline system are isolated with aluminum silicate fiber as the heat preservation measures to minimize the energy consumption.

Double Door "Air-tight and Interlock"

The new type structure implements the "airtight and interlock" of the front door and the back door maintain complete isolation between the clean area and the sterile area and hence satisfies the new "i-CSSD" requirements.

Android Control System

10 inch LCD display dynamically shows temperature, pressure and time, as well as other parameters; Door operation, parameters setting and program running can be operated and controlled on screen and touch panel.

Technical Specifications

Model	Chamber Dimensions	Capacity	Overall Dimensions	Net Weight	Maximum Steam Consumption (kg/cycle)	Control Power (AC220V/50Hz/Kw)	Operational Power (3−AC380V/50Hz)	Maximum Water Consumption (kg/cycle)	Wrapped Cycle Time (kg/cycle)
HS−240(JD)	680 × 600 × 600	0.24	954 × 1316 × 1780	750	18	0.5		—	270	40−50
HS−240(JDW)										
HS−240(Z−JD)								29		
HS−240(Z−JDW)										
HS−360(JD)	1000 × 600 × 600	0.36	1306 × 1316 × 1780	930	22	0.5		—	275	40−50
HS−360(JDW)										
HS−360(Z−JD)								29		
HS−360(Z−JDW)										

i-Steam™ HS600/800/1000

Jacket Pressure Gage
Chamber Pressure Gage
10-inch LCD Display
Voice Intercom System
Touch Panel
Fingerprint Access Control

Steam Generator Pressure Gage
Synchronized Double-screen
Voice Intercom System
Matrix Printer

Back Door Touch Panel

Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) | Voice Intercom System | Synchronized Double-screen

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Android Control System
10 inch LCD display dynamically shows temperature, pressure and time, as well as other parameters; Door operation, parameters setting and program running can be operated and controlled on screen and touch panel.

Technical Specifications

Model	Chamber Dimensions	Capacity	Overall Dimensions	Net Weight	Maximum Steam Consumption (kg/cycle)	Control Power (AC220V/50Hz/Kw)	Operational Power (3–AC380V/50Hz)	Maximum Water Consumption (kg/cycle)	Wrapped Cycle Time (kg/cycle)
HS–600(JD)	1180 × 610 × 910	0.6	1610 × 1320 × 2100	1400	25	0.5	2.2	300	40–50
HS–600(JDW)									
HS–600(Z–JD)							66		
HS–600(Z–JDW)									
HS–800(JD)	1450 × 610 × 910	0.8	1880 × 1320 × 2100	1500	28	0.5	2.2	310	40–50
HS–800(JDW)									
HS–800(Z–JD)							66		
HS–800(Z–JDW)									
HS–1000(JD)	1800 × 610 × 910	1.0	2230 × 1320 × 2100	1600	30	0.5	2.2	340	40–50
HS–1000(JDW)									

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i-Steam™ HS1200/1500

Jacket Pressure Gage
Chamber Pressure Gage
10-inch LCD Display
Voice Intercom System
Touch Panel
Fingerprint Access Control

Steam Generator Pressure Gage
Synchronized Double-screen
Voice Intercom System
Matrix Printer

Back Door Touch Panel

Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) | Voice Intercom System | Synchronized Double-screen

Features

Brand New Structure Design
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Double Door "Air-tight and Interlock"
The new type structure implements the "airtight and interlock" of the front door and the back door maintain complete isolation between the clean area and the sterile area and hence satisfies the new "i-CSSD" requirements.

Android Control System
10 inch LCD display dynamically shows temperature, pressure and time, as well as other parameters; Door operation, parameters setting and program running can be operated and controlled on screen and touch panel.

Technical Specifications

Model	Chamber Dimensions	Capacity	Overall Dimensions	Net Weight	Maximum Steam Consumption (kg/cycle)	Control Power (AC220V/50Hz/Kw)	Operational Power (3–AC380V/50Hz)	Maximum Water Consumption (kg/cycle)	Wrapped Cycle Time (kg/cycle)
HS–1200(JD)	1500 × 680 × 1180	1.2	1945 × 1447 × 2240	1950	32	0.5	3	360	40–50
HS–1200(JDW)									
HS–1500(JD)	1870 × 680 × 1180	1.5	2460 × 1447 × 2240	2200	35	0.5	4.5	450	40–50
HS–1500(JDW)									

i-Steam™ HS1200/1500(floor type)

Jacket Pressure Gage
Chamber Pressure Gage
10-inch LCD Display
Voice Intercom System
Touch Panel
Fingerprint Access Control

Steam Generator Pressure Gage
Synchronized Double-screen
Voice Intercom System
Matrix Printer

Back Door Touch Panel

| Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) | Voice Intercom System | Synchronized Double-screen |

Features

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The new type structure implements the "airtight and interlock" of the front door and the back door maintain complete isolation between the clean area and the sterile area and hence satisfies the new "i-CSSD" requirements.

Android Control System
10 inch LCD display dynamically shows temperature, pressure and time, as well as other parameters; Door operation, parameters setting and program running can be operated and controlled on screen and touch panel.
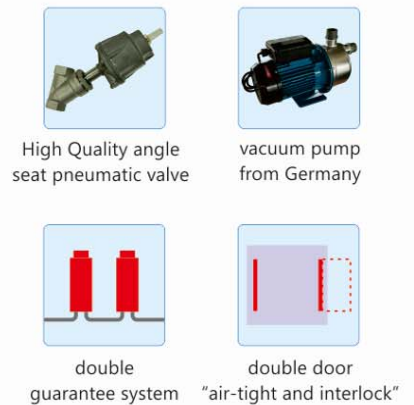
Technical Specifications

Model	Chamber Dimensions	Capacity	Overall Dimensions	Net Weight	Maximum Steam Consumption (kg/cycle)	Control Power (AC220V/50Hz/Kw)	Operational Power (3–AC380V/50Hz)	Maximum Water Consumption (kg/cycle)	Wrapped Cycle Time (kg/cycle)
HS–1200(JD–LD)	1500 × 680 × 1180	1.2	1945 × 1447 × 2240	1950	32	0.5	3	360	40–50
HS–1200(JDW–LD)									
HS–1500(JD–LD)	1870 × 680 × 1180	1.5	2460 × 1447 × 2240	2200	35	0.5	4.5	450	40–50
HS–1500(JDW–LD)									

i-Steam™ HS1200/1500 (sliding door)

Jacket Pressure Gage
Chamber Pressure Gage
10-inch LCD Display
Voice Intercom System
Touch Panel
Fingerprint Access Control

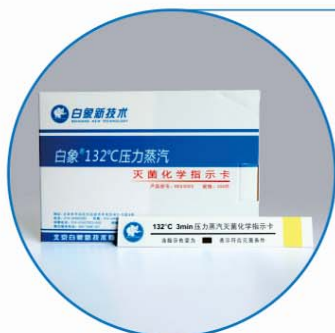| Android Operating System | Cloud Service | Fingerprint Access Control | Video Training | Text Message Notification(SMS) | Voice Intercom System | Synchronized Double-screen |

Features

- Stainless structure with annular strengthening rib and lifespan of equipment is 15 years.
- Bottom depression structure of steam sterilizer guarantees that condensate water can be easily drained.
- Effective heat preservation measures to minimize the energy consumption and release burden of air-conditioner room.
- Strict welding process guarantees high quality of main body.
- Automatic sliding door is saving space and operator friendly. The automatic sliding door is applied with safety protection devices and manual operation devices.
- Water-ring vacuum pump to shorten vacuum time and increase efficiency.
- 10 inch LCD display dynamically shows temperature, pressure and time, as well as some other parameters; Door operation, parameters setting and programme running can be operated on screen and touch panel.

High Quality angle seat pneumatic valve
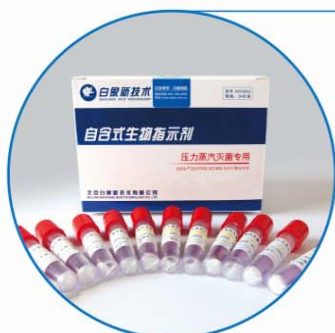
vacuum pump from Germany

double guarantee system

double door "air-tight and interlock"

Technical Specifications

型号	灭菌室尺寸/容积 (L × W × H)mm/m³	容积 m³	外形尺寸 (L × W × H)mm	净重 Kg	最大蒸汽耗量 (Kg/cycle)	控制电源 AC220V/50Hz(kW)	动力电源 3–AC380V/50Hz(kW)	最大水耗量 (Kg/cycle)	织物全过程时间 (Minute)
HS–1200(PY)	1500 × 680 × 1180	1.2	1890 × 1980 × 2080	2200	32	0.5	3	360	40–50
HS–1500(PY)	1870 × 680 × 1180	1.5	2260 × 1980 × 2075	2200	35	0.5	4.5	450	40–50

i-Steam™ Consumables
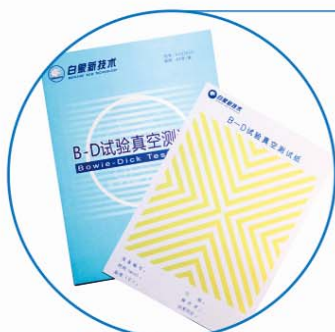
Steam Sterilization Chemical Indicator Card

- Used for pressure and steam sterilization monitoring and placed inside the package. It is composed of card with printed words, standard color block and indicator color block. The ink on indicator color block reflects temperature, lasting time of temperature and level of steam saturation, so it can indicate whether the sterilization condition is approved.
- 2 types available: 1. Used for sterilization condition of 132℃, 3.5min.
                        2. Used for sterilization condition of 121℃, 20min.

Steam Sterilization Biological Indicator

- Composed of filter paper with bacterial spore, ampoule bottle with Tryptone soy broth and Bromocresol purple liquid, bacteria-resisting membrane and plastic bottle.
- Bacteria strain: Bacillus stearothermophilus ATCC7953;
  Bacteria count: 1x106-5x106 cfu/piece
- The label on bottle is printed with special indicator ink and the color change is easily identified.
- After 48 hours, the sterilization result can be judged

B-D Vacuum-Testing Paper Pack

- B-D vacuum-testing paper is composed of paper with air permeability and heat-sensitive dye and is used for testing remaining cold air in the process of sterilization. The color will change from light yellow to dark brown or block if no air left in chamber, and the temperature reach 132-134℃, lasting 3.5-4 min. If the conditions fail to reach certain value or there is air leakage, the color will remain light yellow or change unevenly.

B-D Test Bag

- In compliance with standards of ISO11140 and GB18282
- The picture on B-D is easy for reading.
- It reflects functions of sterilizer precisely and the result is stable and reliable
- It's easy for file management and enhance the sterilization quality control system.

i-Steam™ Consumables

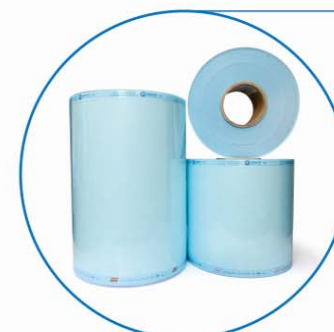## Steam Sterilization Chemical Indicator Label

- Composed of heat-sensitive pigment, which will change from yellow to dark brown or black after the temperature, humidity and time reach certain degree. If color changes unevenly, it indicates that the package is not sterilized properly.
- This indicator label is used for sealing and operators can write down record notes.
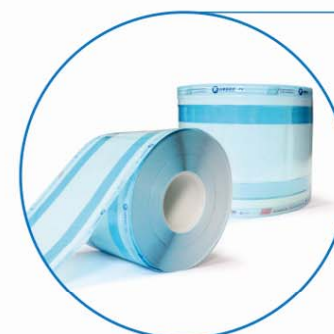
Steam Sterilization Chemical Indicator Tape

- Composed of heat-sensitive pigment, which will change from white to dark brown or black after the temperature, humidity and time reach certain degree. If color changes unevenly, it indicates that this package failed sterilization.
- This indicator label is used for sealing and operators can write down record notes.

Steam Sterilization Paper Roll

- Medical grade paper
- Printed with steam indicator ink
- Available width from 75mm to 300mm

Steam Sterilization Gusseted Paper Roll

- Medical grade paper
- Printed with steam indicator ink
- Available width from 75mm to 300mm
- Plastic side gusseted to provide larger capacity of bags