

Pressure Steam Sterilizer

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CE0036



Hansung Medical Co., Ltd.

Always think customers first



Company Introduction

Hansung Medical is specialized in manufacturing of sterilizer and we are also expanding our business area to motor operated medical aspirator and nasal dilator. All of Hansung members try to realize customer satisfaction by means of technically competitive development and to lead medical circumstances which is quickly being advanced. In addition, Hansung built agency network over the domestic territory to increase brand value by thorough follow-up management. The market of sterilizer is classified by the capacity which means high, middle and small capacity and Hansung is high ranked in the field of small capacity.

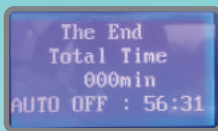
We also acquired european certification which is international standard to enter the global market and have started entering North Africa, Middle East, Asia, Commonwealth of Independent States and Latin America since 2010.

Hansung medical is constantly challenging under the slogan of enhancing quality competitiveness, systematization of production, globalization, realizing customer satisfaction.



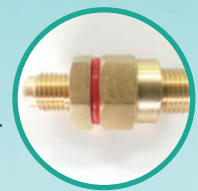
Perfect Sterilization Vacuum Dry System B Class Type

Features of technique & Competitive performance



Effective to prevent any safety accident occurred while no one in the place and from the loss of electricity after the operation. Power is automatically off if door is not opened in one hour after completion of sterilization.

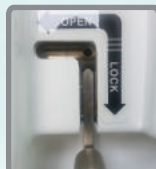
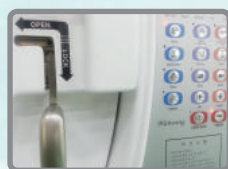
Easier maintenance and preventing water hammer phenomenon.
Weight reduction of spare parts makes definite differences compared to competitive products.



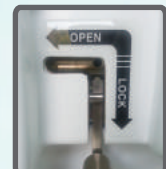
Every movement can be rapidly operated by specialized programming system and any kind of dangerous situations such as an internal explosion of sterilizer or fire can be completely prevented in order to eliminate possible damages of either user or product.

Automatic Door-Lock Device

An automatic switchgear works during sterilization as an automatic safety system is installed for the safety of users.



Before Operating



After Operating

HTA-30V

This product is a medical equipment which is steam sterilizer with high pressure

High pressure steam sterilizer is for clinics and hospitals to sterilize a variety of medical and surgical instrument. And we developed noise reduction kit, automated power blocking system, steam check valve, automated door locking system for product competitiveness.



Specification

Machine Dimension	600(W) x 670(L) x 430(H)mm
Size of Chamber	Ø300 x 430(L)mm
Capacity of Chamber	30Liter
Chamber Shape & Material	Round shape&stainless steel
Water Tank	Max 6.5L (Usage 4.5L)
Power	AC220V, 50/60Hz
Power Consumption	2.6Kw (Band Heater 0.4Kw+Shield Heater 2.2Kw)
Sterilization Temp & Pressure	121 °C (1.0kg/cm ²) ~ 134 °C (2.2kg/cm ²)
Vacuum Pump	Oil-less Vacuum Pump (40L/min)
Sound Level During Operation	< 75dB (A)
Sterilization Time	1~99±1 (Min)
Dry Time	1~99±1 (Cycle)
Vacuum Pressure	550mmHg (international Spec.)
Control System	Microprocessor
Dry Type	Band Heater+Vacuum pump
Weight	70kg
Safety functions	Safety Valve , Overcurrent Blocking (NFB), Internal & External Overheating Sensor (EGO), Chamber Overheating Sensor, Auto Door Lock S/W

Option Accessory

- Printer - Direct thermal line printer, Printer Roll : 57mm X Ø30
- Bluetooth Communication



HTA-50V

This product is a medical equipment which is steam sterilizer with high pressure

High pressure steam sterilizer is for clinics and hospitals to sterilize a variety of medical and surgical instrument. And we developed noise reduction kit, automated power blocking system, steam check valve, automated door locking system for product competitiveness.



Specification

Machine Dimension	670(W) x 720(L) x 500(H)mm
Size of Chamber	Ø350 x 520(L)mm
Capacity of Chamber	50Liter
Chamber Shape & Material	Round shape&stainless steel
Water Tank	Max 8L (Usage 5.5L)
Power	AC220V, 50/60Hz
Power Consumption	2.7Kw (Band Heater 0.4Kw+Shield Heater 2.3Kw)
Sterilization Temp & Pressure	121°C (1.0kg/cm ²) ~ 134°C (2.2kg/cm ²)
Vacuum Pump	Oil-less Vacuum Pump (40L/min)
Sound Level During Operation	< 75dB (A)
Sterilization Time	1~99±1 (Min)
Dry Time	1~99±1 (Cycle)
Vacuum Pressure	550mmHg (international Spec.)
Control System	Microprocessor
Dry Type	Band Heater+Vacuum pump
Weight	91kg
Safety functions	Safety Valve , Overcurrent Blocking (NFB), Internal & External Overheating Sensor (EGO), Chamber Overheating Sensor, Auto Door Lock S/W

Option Accessory

- Printer - Direct thermal line printer, Printer Roll : 57mm X Ø30
- Bluetooth Communication



Features

BLUE GRAPHIC LCD

- User can distinguish all signal particulars through LCD signal window, because it is Blue Type.

PROCESS DISPLAY

- It shows closing the door, heating, sterilizing, drying and finish so on about progressive particulars.

MEMBRANE WITH STRONG ENDURANCE

- Applied Membrane s/w has stronger endurance than general film s/w .

PASS MODE

- If user want to pass, it can without disturbance of the sterilizing progressive particulars.

RE-DRY MODE

- The exclusive mode for dry, if user want to dry only sterilized things.
The temperature of dry : 132°C
The number of times for dry : 15times User can establish it.

MENU MODE

- User can choose user's program through each mode, such as choice of user's language, the time for printer's output, speaker's volume, Packs, Instrument, Glove, Liquids, Bowie - Dick Test's wool the mount of using.
It shows closing the door, heating, sterilizing, drying and finish so on about

VACUUM PUMP

- Line vacuum system to materialize sterilizing effect
- Dry function with pulse is similar with middle and large size sterilizing machine.

PRINTER

- It outputs all data like temperature, time so on through the sterilizing process
(Possibility to change the sterilizing time : 1~ 5min)

SELF TEST

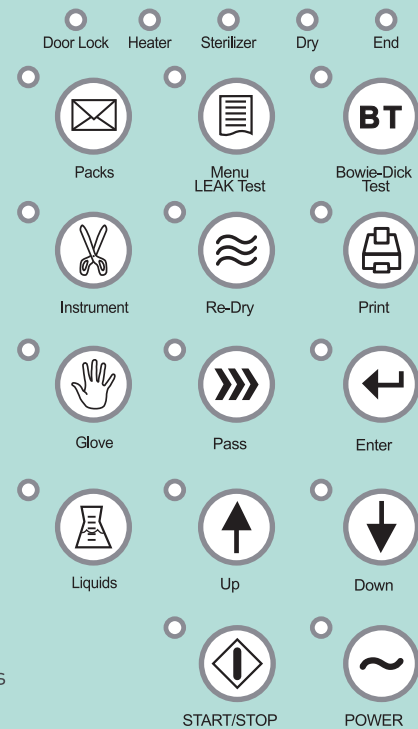
- In sterilizing process, it shows 10 error messages with self diagnosis program if something is wrong.

LANGUAGE CHOICE

- You can choose, if it show user's language (Korean, English) to LCD signal window or not.

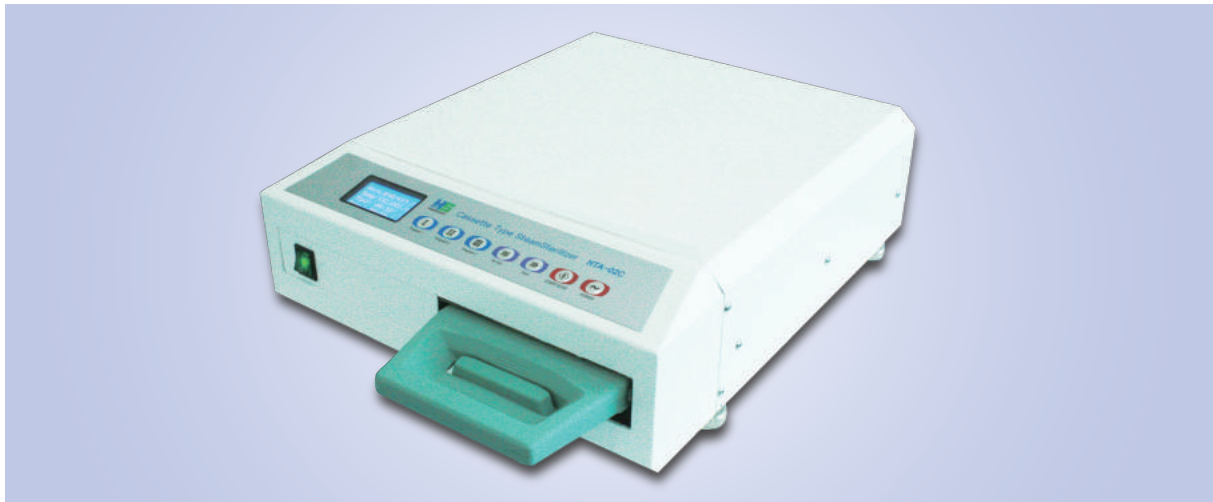
BOWIE - DICK TEST

- For complete sterilizing skill, it can be checked by minimus time. (Indicator to Bowei - Dick Test)



HTA-02C (CASSETTE TYPE)

HTA-02C is the fastest benchtop cassette type sterilizer. HTA-02C will enable you to sterilize your handpieces in 30 minutes included drying cycle. This will optimise your clinical time management and improve efficiency

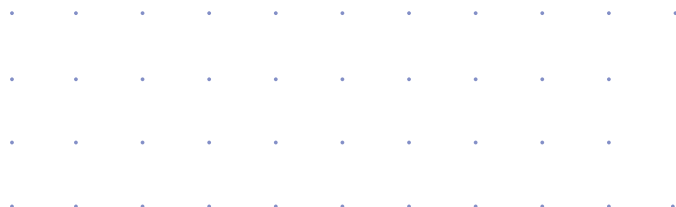


Specification

Machine Dimension	440(W) x 510(L) x 174(H)mm
Size of Cassette	300(W) x 195(L) x 36(H)
Sterilization Chamber Volume	2 Liter
Power	AC 220V, 50/60Hz
Power Consumption	1.1Kw (Steam Generator)
Sterilization Temp & Pressure	121°C (1.2Kg/cm ²), 135°C (2.3Kg/cm ²)
Pump	Oilless Pump (0.5L/min)
Sound Level During Operation	< 75dB(A)
Sterilization Time	5Min-135°C / 10Min-132°C / 20Min-121°C
Dry Time	20Min ~ 30Min (User can select time 1Min ~ 120Min)
Control System	Microprocessor
Dry Type	Blower System
Weight	28Kg
Safety Function	Safety Valve, EGO Sensor, Cassette Overheating Sensor Cassette Dectection Sensor
Water Supplying Pump	Pressure : 80PSI (5.5Bar), Cutoff

Option Accessory

- Bluetooth Communication



Products

HTE-30EO

Ethylene Oxide sterilizer(HTE-30EO) is a low temperature sterilization process designed to sterilize instruments or devices that are sensitive to heat and/or moisture

ETO is a colorless gas that is flammable and explosive. Ethylene oxide (also known as EO or EtO) is a simple chemical compound that is commonly used for gaseous sterilization of disposable healthcare products. A wide variety of materials and components commonly used in the manufacture of these products may undergo ethylene oxide sterilization in their final breathable packaging configuration. This Ethylene Oxide gas sterilizer (HTE-30EO) gives operators a safe, efficient and compact way of sterilizing heat-sensitive items.



Specification

Machine Dimension	600(W) x 675(L) x 445(H)mm
Size of Chamber	Ø300 x 445(L)mm
Capacity of Chamber	30 Liter
Shape & Material of Chamber	Round Type & Stainless Steel
Power	AC 220V, 50/60Hz
Power Consumption	0.6Kw (Band Heater 0.3Kw + Vaporizer Heater 0.3Kw)
Sterilization Temp & Pressure	38°C (1.0Kg/cm²), 55°C (1.0Kg/cm²)
Vacuum Pump	Oilless Vacuum Pump (40L/min)
Sound Level During Operation	< 75dB(A)
Sterilization Time	2Hour, 55°C / 4hour, 38°C (User can select time 1hr ~ 24hr)
Aeration(Degassing) Time	12Hour, 55°C / 12hour, 38°C (User can select time 1hr ~ 24hr)
Vacuum Pressure	550mmHg (International spec.)
Control System	Microprocessor
Weight	65Kg
Safety Function	Safety Valve, Overcurrent Blocking (NFB), Internal&External over Heating Sensor (EGO), Chamber Overheating Sensor, Auto door Lock



Option Accessory

- Printer - Direct thermal line printer, Printer Roll : 57mm X Ø30
- Bluetooth Communication



HTE-50EO

Ethylene Oxide sterilizer(HTE-50EO) is a low temperature sterilization process designed to sterilize instruments or devices that are sensitive to heat and/or moisture

ETO is a colorless gas that is flammable and explosive. Ethylene oxide (also known as EO or EtO) is a simple chemical compound that is commonly used for gaseous sterilization of disposable healthcare products. A wide variety of materials and components commonly used in the manufacture of these products may undergo ethylene oxide sterilization in their final breathable packaging configuration. This Ethylene Oxide gas sterilizer (HTE-50EO) gives operators a safe, efficient and compact way of sterilizing heat-sensitive items.



Specification

Machine Dimension	670(W) x 720(L) x 500(H)mm
Size of Chamber	Ø350 x 520(L)mm
Capacity of Chamber	50 Liter
Shape & Material of Chamber	Round Type & Stainless Steel
Power	AC 220V, 50/60Hz
Power Consumption	0.6Kw (Band Heater 0.3Kw + Vaporizer Heater 0.3Kw)
Sterilization Temp & Pressure	38°C (1.0Kg/cm ²), 55°C (1.0Kg/cm ²)
Vacuum Pump	Oilless Vacuum Pump (40L/min)
Sound Level During Operation	< 75dB(A)
Sterilization Time	2Hour, 55°C / 4hour, 38°C (User can select time 1hr ~ 24hr)
Aeration(Degassing) Time	12Hour, 55°C / 12hour, 38°C (User can select time 1hr ~ 24hr)
Vacuum Pressure	550mmHg (International spec.)
Control System	Microprocessor
Weight	75Kg
Safety Function	Safety Valve, Overcurrent Blocking (NFB), Internal&External over Heating Sensor (EGO), Chamber Overheating Sensor, Auto door Lock



Option Accessory

- Printer - Direct thermal line printer, Printer Roll : 57mm X Ø30
- Bluetooth Communication



SUCTION UNIT HTS-6000

This product is a medical equipment for suction of blood or body fluids, and delivery to help

Medical aspirator for aspirating of blood and body fluid during surgery.

This is a motor operated aspirator working by direct power supply switch or remote controlled footswitch.



Specification

TYPE	A	B
Machine Dimension	380(W) x 390(D) x 890(H)mm	
Suction Bottle(PC)	3,000cc x 2ea	
Max Vacuum Pressure	740 mmHg±10mmHg	1,200 mmHg±10mmHg
Weight	18Kg	25Kg
Oil-Less Vacuum Pump	50L/min ± 10L/min	100L/min ± 10L/min
Suction Volume	50L/min ± 10L/min	100L/min ± 10L/min
Power	AC220V, 50/60Hz, 250W	AC220V, 50/60Hz, 500W
Wheel	2" Rotary wheel x 4ea	
Over Flow	Safety bottle (1,000 CC)	

Accessory

Power Cord	1ea
Foot Switch	1ea
Suction Bottle(PC)	3,000cc x 2ea
Silicone Hose	3m x 1ea



Features

- Its design is simple to use space efficiently at clinic and surgical room.
- The placed huge safe bottle intercepts to come in pump for blood and body fluid because of flooding by sucking container for clouds of smoke
- Its output will be the best by minimum time, because its mount of sucking smoke is 50 L I min.
- It doesn't have to exchange the oil, because it doesn't use oil
- As the suction bottle's material is PC, it 's not broken by user's carelessness.



Nasal Dilator BANDYCO

This is a nasal dilator to prevent snoring and nasal congestion

It preserves nasal cavity and upper/lower airway widely in order to repress snoring and to prevent shrink of front nasal cavity and mouth breathing.

This product has various sizes to accept various size of nostrils and can effectively wide front nasal cavity.



Specification

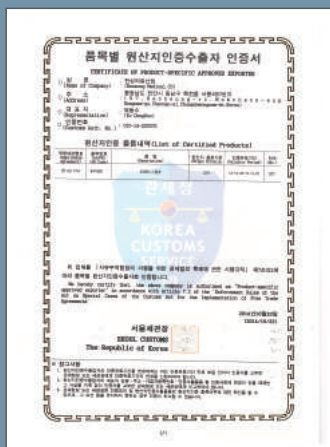
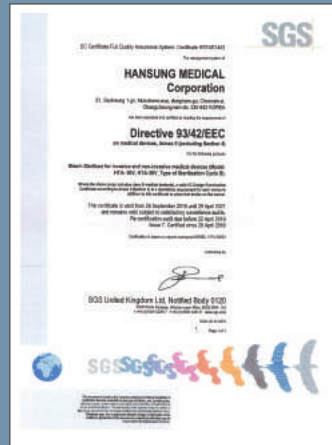
Medium	Below 13mm of nostril diameter
Description	Most of adults and children
Large	Over 13mm of nostril diameter
Description	Adults who have big nostrils

Features

- Protection for easily bleeding mucous membrane
- Draw hard by silicon characteristic, even in rough sports activity
- Patented item, the first grade medical appliance developed by otolaryngologist
- Medical silicon that is approved by U.S. FDA
- Highly antiseptic Platinum
- Anti-snoring effects of nasal dilators are confirmed throughout the world.



Certificates



History

- 2006 06 Established Hansung Medical Co., Ltd (108, Guro-dong, Guro-gu, Seoul-si, Korea)
- 09 Factory registration Licensed for the business of making the medical instrument (KGMP/Korea Food and Drug Administration)

- 2007 03 Moving of the headquarter/factory (Sangga B1, 107 Bakdal-dong, Manan-gu, Anyang City, Korea)
- 06 Approved for meeting the quality control standard for medical instrument
- 09 Obtained the quality management system certificate BS EN ISO 9001:2000/ KSA 9001:2001

- 2008 02 Archived the license of medical suction unit, HTS-6000 (Korea Food and Drug Administration)
- 03 Archived the license of steam sterilizer, HTA-30V / HTA-50V (Korea Food and Drug Administration)

- 2010 04 ISO 13485:2003 SGS (Model: Steam sterilizer)
ISO 9001:2008 SGS (Manufacturing facility certificate)
CE 0120 SGS (Model: HTA-50V Steam sterilizer)

- 05 CE 0036 TUV (HTA-50V & 30V Chamber)
- 08 First exporting to Saudi Arabia (HTA-30V)
- 10 Certified for the company annexed research center (No. 2010112611)

- 2012 07 Certificate for technology innovative SMEs (Inno-Biz) (No.12605-01295)

- 2013 01 Developed the steam check valve in type of assembling with steam sterilizer
- 02 Archived the license of LED surgical light, HTL-202-1, HTL-202-2 (Korea Food and Drug Administration)
- 03 Developed the steam sterilizer auto door lock
- 08 Moved the headquarter/factory of the company to Cheonan City (81, Seoheung 1-gil, Mokcheon-eup, Cheonan-si, Chungcheongnam-do, Korea)
- 12 Certificate for business innovative SMEs (Main-Biz) (No.130501-01977)

- 2014 02 Archived the license of nasal dilator, BANDICO (Korea Food and Drug Administration)
- 05 Applied for the patent of steam sterilizer (Application No.: 10-2014-0064483)
- 06 Applied for the patent of the assembly type steam check valve (Application No.: 10-2014-04-0074995)
- 10 Certificate of PRODUCT SPECIFIC APPROVED EXPORTER for Sterilizer (SEOUL CUSTOMS The Republic of Korea)

- 2015 11 Designated as an Excellent Company for overseas public procurement market (No. 2015-062)
- 12 Archived the license of Ethylene Oxide Sterilizer, HTE-50EO, HTE-30EO (Korea Food and Drug Administration)
Archived the license of Cassette type sterilizer, HTC-02C (Korea Food and Drug Administration)

- 2016 03 Certificate of Patent for Assembly type steam check valve (No. 10-1609784)
- 06 Certificate of Patent for High pressure steam sterilizer (No. 10-1632044)
Applied for the patent for Cassette type sterilizer, HTC-02C (Application No. 10-2015-0135528)
- 11 CE 0120 SGS (Model : HTA-30V Steam Sterilizer)



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