



MEDI-CLAVE[®]

Turnkey solutions for today's cssd



**EXCELLENCE
REPRESENTS THE WISE CHOICES
OF MANY ALTERNATIVES.**

JSD / JDSD Vacuum Sterilizers (Jacketed Sliding Door / Jacketed Double Sliding Door)						
SPECIFICATION MAIN PARAMETER	JSD 160	JSD 200	JSD 400	JSD 600	JSD 1200	JSD 2000
Chamber Volume (m ³)	0.16	0.2	0.4	0.6	1.2	2.0
Inner size (LxWxH)	745x460x460	970x460x460	915x660x660	1240x660x660	1530x750x1050	1700x1000x1200
Outer size (LxWxH)	1280x850x1800 (Single door) 1110x850x1800 (Double door)	1680x850x1800 (Single door) 1325x850x1800 (Double door)	1680x1200x1950 (Single door) 1225x1200x1950 (Double door)	2000x1200x1950 (Single door) 1580x1200x1950 (Double door)	1785x1450x1900 (Single door) 1870x1450x1900 (Double door)	2060x2000x2000 (Single door) 2100x2000x2000 (Double door)
Steam Usage (Kg)	12Kg	14Kg	18Kg	23Kg	40Kg	55Kg
Water Usage (Lt)	30lt	32lt	35 lt	40lt	55lt	60 lt
Compressed air (KPa) <small>where applicable</small>	300 - 800kPa	300 - 800kPa	300 - 800kPa	300 - 800kPa	300 - 800kPa	300 - 800kPa
Power: Unit/Boiler	3Kw/18Kw	3Kw/18Kw	3Kw/36Kw	3Kw/36Kw	3Kw/72Kw	4.5Kw/144Kw
Net Weight (Kg)	600	750	1100	1500	2100	3000
Design Pressure (kPa)	245	245	245	245	245	245
Design Temp (C°)	141	141	141	141	141	141

JSD HOSPITAL SERIES STEAM AUTOCLAVES

Selecting a sterilizer starts with defining your needs. Medi-Clave helps in the process by determining how you'll use your autoclave, where will it be placed and what utility services are needed and available.

Our steam autoclaves use dry saturated steam as a sterilizing medium, which is either produced by an internally integrated steam generator or from an external steam source. A efficient pre-sterilization phase ensures that all air is rapidly and adequately removed even under the most challenging conditions! Post sterilization adopts a deep penetrating vacuum to remove all moisture ensuring that every load emerges sterile and dry.

Medi-Clave steam autoclaves are manufactured using high quality parts with reference to international standards ensuring reliability. Our Unique "All Stainless Steel Closed Cell Jacket & Chamber Design" not only boasts with extended life expectancy but enhances energy efficiency in requiring less heat transfer to heat up and more insulation to prevent heat loss. Our autoclaves also boast revolutionary water saving abilities using up to 80% less water than all other conventional hospital autoclaves and Increased periods between maintenance intervals, ensures you of minimum down times and the most cost effective operating costs.

It has always been our policy to re-invest significant amounts of our profits into product development and manufacturing systems and equipment.

Medi-Clave offers the widest range of autoclaves which are manufactured using modern techniques and equipment, we pride ourselves on our ability to introduce new ideas and processes into the autoclave market.

Where we lead, so often others follow.....

ACCESSORIES AND SPECIFICATIONS

- All our autoclaves:
- Are PLC controlled and fully automatic,
- Can be equipped with flush mounted cycle printers,
- Can be equipped with Internal steam generators,
- Can be equipped with a carriage and trolley set or two internal sliding trays,
- Are equipped with a full colour high definition "HMI" touch screen,
- Are equipped with emergency stop buttons,
- Can be equipped with automatic boiler blow downs to lower TDS values,
- Are manufactured to comply with the South African SABS 982-1990 standard,
- Are manufactured with reference and guidelines of the EN285,
- Have a " ten year " pressure vessel integrity warranty,
- Can be equipped with high quality solenoid or pneumatic valves,
- Are equipped with rapid drawing vacuum-pumps,
- Are equipped with the most sophisticated water saving technics available in SA.

STANDARDS AND CERTIFICATIONS

- MeMedi-Clave has adopted a Risk-Based approach in meeting regulatory, customer and quality objectives.
- Our Steam Sterilizers meet the highest standards and requirements for quality, safety and operations.
- Medi-Clave is a SAIW registered welding facility and our pressure vessels are; ASME VIII Division 1, RSA/CI/OHSA 8.1-2019 approved and SANS 3834 and SANS 347 certified.
- Medi-Clave is also certified to ISO 9001 and ISO 13485 and complies to the IEC 61010-1 standard.
- Medi-Clave's large hospital autoclaves are manufacture in accordance to SANS 982 and the latest EN 285 standard.



Infectious Waste Steam Autoclaves

Press Release
UNDP GEF Project
and
South African firm
develop technology for infectious waste

Earth's ability to absorb waste
is a major influence on the adaptation of
green waste-treatment technologies.



HEALTHCARE WASTE STEAM AUTOCLAVES

New affordable non-incineration technology now available for Africa.

FEATURES OF THE AUTOCLAVE

- The key features of the technology are as follows:
- The autoclave uses pressurized steam at 134-135°C alternating with vacuum cycles to achieve high levels of sterilization. It was tested with sterilizing indicators and bacterial spores far more resistant to steam than the Ebola virus. Microbial destruction exceeds the international STAATT II standard for medical waste by an order of magnitude.
- The technology has multiple safety features to protect workers and the environment.
- The autoclave chamber and boiler are built of stainless steel and certified by a government-approved, independent third party as complying with international pressure vessel standards (ASME).
- The technology uses a simple mechanical control wheel instead of complicated computer controls that are vulnerable to power outages and difficult to repair with low technical resources.
- Vacuum is achieved using a steam ejector with no moving parts, ensuring that air released from the equipment is disinfected. The vacuum enhances steam penetration and removes odors.
- The autoclave uses electricity and less than 15 liters of water per cycle. There is no chimney, only a drain pipe. Installation takes about a day.
- The residue - a dry, sterile, hard, compact mass less than half the original volume - is much cleaner (from a microbial perspective) than household waste. Using a post-treatment shredder reduces waste volumes further by as much as 85%.
- The system includes a specially designed trolley with a covered horizontal barrel that allows waste workers to pick up infectious waste bags from hot zones and transport the waste to the autoclave with minimal handling. The entire barrel slides into the chamber for sterilization. This process reduces the workers' risk of exposure to pathogens.
- The technology is built in South Africa by a company that can provide technical support to countries in the continent. The technology was adapted from the Medi-Clave units used to sterilize medical and surgical instruments for the past 21 years.
- Various waste autoclave sizes from 260lt up to 14000lt can also be manufactured and option of fully automated cycles.





Sterility Assurance Products

MONITORING



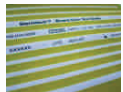
Rapid Protein Swab Test



Bowie Dick Helix Test (Hollow A)



Bowie Dick Helix Test S/Steel



Bowie Dick Test Sheets



Bowie Dick Test Packs



Batch Control Helix Test



Self Adhesive indicator Strips



Multi Parameter Indicator Class 4



Sequential Integrator Class 5



Sequential Emulator Class 6



Moving Front Integrators Class 5



Biological Indicators

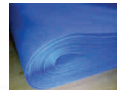
PACKAGING



SMS Non Woven Sterile Barrier



Sterilization Rolls



Soft Crepe CSSD Packaging Paper



Indicator Tapes



Container lock / Container Cards



Container Filters



Seal Checker

DOCUMENTATION



Thermo Transfer Printer Indicator Labels



2 Line Label Gun & Labels



3 Line Label Gun & Labels

Antibiotic resistant of bacteria's is on the increase (Antibiotic-Microbial-Resistance - AMR) and because we have basically reached the end of anti-biotic developments, AMR increases the costs of health care when infections become resistant to first-line medicines and more expensive therapies must be used.

The longer the duration of illness and treatment in hospitals, not only increases fatality risk factors but increases health-care costs and the financial burden to families and societies.

Our CSSD' therefore have a greater responsibility to adhere and maintain stringent sterility protocols to prevent and limit Hospital Acquired Infections (HAI) that are caused by un-sterile autoclaves and packs.

All Sterintech products comply to all the latest ISO standards and are of European origin to provide total peace of mind and sustainability.

Low temperature sterilizers

In a ever changing environment where invasive surgery is becoming more and more popular and the need for effective Low Temperature Sterilization is now becoming a necessity and not only a luxury we offer a full range of "High End" Low Temperature H₂O₂ Plasma sterilizers that are extremely cost effective and are a green option to our operators and our environment.



LOW TEMPERATURE PLASMA STERILIZERS / WASHERS



 **SPEED CYCLES**



Instruments washer disinfectors



Washer disinfectors for human waste containers

CSSD

SLUICE ROOM

SERVICE

OP ROOM

AT-OS

DISINFECTATION TECHNOLOGY

Stainless Steel Shelving



**Cassette
Bench-Top Sterilizers**



**Class B
Bench-Top Sterilizers**



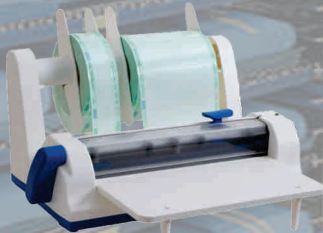
Warming Cabinets



Endoscope Cabinets



Ultrasonic Cleaners



Medical Pouch Sealers

CSSD EQUIPMENT / AIR PURIFICATION

Air Disinfecting Equipment ❖❖❖

We all neglect to acknowledge the risk of microbial transmittal in the air we breath!

Human beings contribute up to 80% of airborne contamination in buildings and hospitals, these micron-size infectious airborne particles in the air are our main source of microbial transmittal.

Laoken mobile air purification systems can be placed beside patients in isolation rooms and other critical areas like: Admittance rooms, Waiting rooms, Emergency rooms and Conference areas.

Our systems do not restrict room use and therefore capturing airborne contaminants at the source and removing and eliminating these hazardous microbial airborne particles from established breathing zones we reduce the risk of microbial migration and the risk of inhalation and effectively reduces airborne infection transmittal.

Laoken air disinfection equipment was the preferred brand during the SARS outbreak and has been commended with a platinum award for best supplier for effectiveness and quality.

Our complete range of Air Sterilizers and Air Disinfection Equipment consists of:

**Plasma Air Sterilizers,
Dynamic Air Disinfectors,
Laminar Air Disinfectors,
Ozone Disinfecting.**

Please do not hesitate to contact us with yours needs to establish which Air Disinfection / Sterilizer will be best suited for your specific requirements.





Excellence represents the wise choices of many alternatives.

Our Mission

Historically, companies who focus their resources on their core business are those who succeed. At Medi-Clave we don't try to be all things to all people, we simply focus on what we do and know best which explains why we continue to grow and prosper in a challenging environment!

Service and Maintenance

Our service teams have fully equipped service vehicles that can rapidly respond and deal with any emergency situation across the country or its neighbouring borders. With the most on hands experience available, and extremely dedicated staff. Medi-Clave technicians are capable and well equipped to supply spares and perform repairs or maintenance on all CSSD equipment and steam autoclaves. We also offer competitive tariffs and effective preventative maintenance packages to suit each individuals needs.

BEE Profile

Medi-Clave is proud of the **Level 2 BEE status** that has been achieved and maintained over the past few years and understands and supports Governments initiatives to empower PDI's & HDI's, but also believe that most of these companies require specialized management and support to maintain sustainable business entity. Skills Transfer and actual Empowerment through a structured process and work methodology will ultimately ensure meaningful and sustainable growing companies that will be able to maintain client relations and effective work performance.

STERILIZING IS OUR BUSINESS...AND OUR ONLY BUSINESS!

Head Office Contact Information



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Exclusive Distributor 

