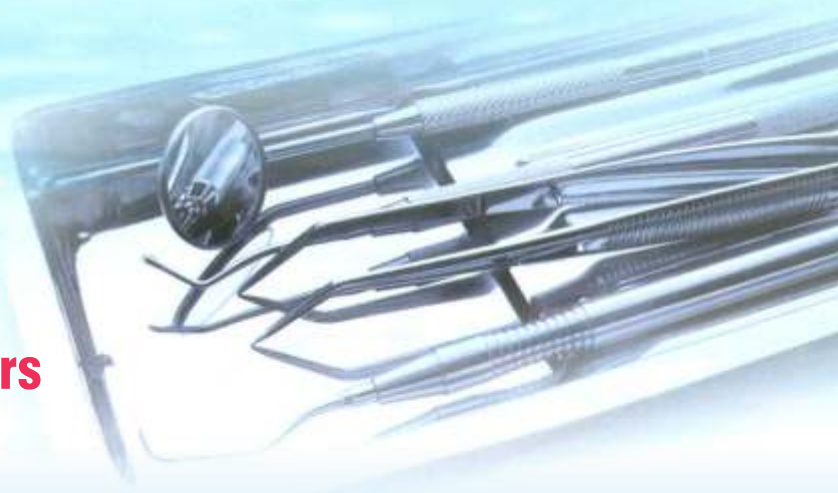


mrt555/556



Bench-Top Steam Sterilizers

The mrt555/556 Bench-Top Steam Sterilizers

The European Standard EN 13060 defines three types of sterilization cycles, differing in their intended use: Type B, Type S and Type N, all classified as Small Steam Sterilizers. MRTSRL Sterilizers offer a solution to each type, allowing you to choose the most suitable sterilizer for your needs.

The mrt555/556 Bench-Top Steam Sterilizers have a load capacity of 24 liters/18 liters volume in the chamber, either jacketed or electrically heated. External dimensions are especially suitable for small clinics. Sterilizers have numerous safety features including: a thermostat, temperature sensors, a water detection electrode in the chamber, a pressure sensor, a safety pressure release valve and software safety features.

Microprocessor controlled sterilization phases enable the system for auto correction, precise monitoring and display of all parameters. It's automatic operation and integral P.I.D regulation system enable the system to reset the default settings responsible for all parameters concerning temperature, pressure, barometric alignment etc.

The MRTSRL Sterilizers are equipped with an Energy Saving Mode which is activated if the Sterilizer is not used after a certain period of time. This Mode reduces power consumption by approximately 12% to 30% and is thus environmental friendly.

MRTSRL Sterilizers meet the highest standards requirements for quality, safety and operation. Stainless Steel Pressure Vessels AISI304, conforms to the Pressure Equipment Directive (PED).

MRTSRL Sterilizers have a fully automatic door-locking device. Opening and closing of the door by pressing only one button and is controlled by electrical, dynamic & electromagnetic safety devices.

The Sterilizers are supplied as a stand-alone unit. A Reverse-Osmosis water purification system is available in order to avoid the need to refill the water reservoirs. This system improves the quality of the water used to generate steam. The use of mineral-free water will contribute to better performance and longer life of the Sterilizers' chamber.

The sterilization cycles' data of the Sterilizers can be collected through an optional SD card.

The design of the Sterilizers is modern; the units are reliable, incorporate high-tech features, and are based on more than 20 years of experience in the sterilization field.



**INNOVATIVE TECHNOLOGY
FOR THE PERFECT STERILIZATION**

mrt555/556



Class B Sterilizer

As a Class B Sterilizer, the mrt555/556 can process all types of loads as specified in the standard: wrapped, non-wrapped, solid, hollow load products type A and porous products. It can be used to sterilize dental handpieces, laparoscopes, wrapped surgical sets, etc. mrt555/556 are designed with similar features as a Large Steam Sterilizer, extensively used in CSSDs' and Operating Theaters (OT).

mrt555/556 is a fully automatic high-speed pre & post vacuum Steam Sterilizer, designed for sterilization of wrapped materials, hollow instruments and porous loads in hospitals, private clinics and dental offices.

mrt555/556 Bench-Top Sterilizer is equipped with a built-in mini steam generator and a powerful double head vacuum pump for ejecting aerosol at the start and at the end of cycle.

► Operation

Operating mrt555/556 is simple: close the door, select the cycle on the Touch-Screen panel, and press the Start Key. The cycle will run automatically. At the end of the cycle, by pressing the 'Open Door' button on the Touch-Screen Panel, the door will automatically open.

► Steam Generator - Very Fast Cycle!

mrt555/556 is equipped with a stand-alone 2.9 kW steam generator, made of Stainless Steel AISI 304 mrt555/556

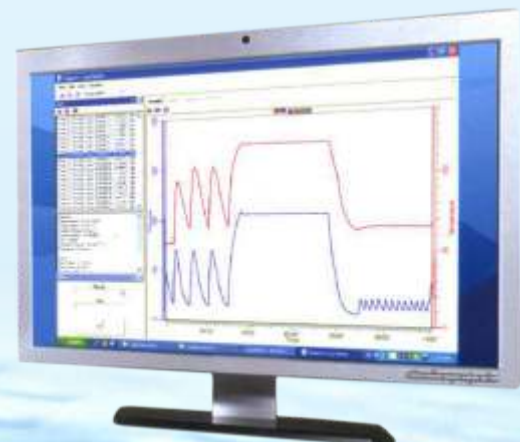
► Pre-Programs Sterilization Cycles

| Temperature | Time | Dry Time | Description |
|-------------|---------|----------|-------------|
| 134 °C | 3 min | 1 | Flash |
| 134 °C | 3 min | 15 | Unwrapped |
| 134 °C | 3.5 min | 20 | Wrapped |
| 134 °C | 18 min | 20 | Prion |
| 121 °C | 20 min | 20 | Porous |

► Test Programs

Three test programs are available in the mrt555/556 to assure a proper sterility level.

| Programs | Temperature | Time |
|-------------------|-------------|---------|
| Bowie & Dick test | 134 °C | 3.5 min |
| Leak test | | 20 min |
| Helix test | | |



Reasons to choose mrt555/556 Bench Top Sterilizer

High Quality Components

The chamber is built of Stainless Steel AISI 304 as per T-PED. All components have been purchased meeting the highest quantity standards requirements from known leading companies around the world.

High Reliability

Highly recommended by doctors and professionals.

Outstanding performances

- ▶ Very fast cycle A high speed integrated steam generator, steam is always ready to fast sterilization due to rapid warm up facility.
- ▶ Separate water tanks for fresh water and used water Vacuum System -Air removal via a power full double head vacuum system, using a membrane pump with a cooler.
- ▶ Large Capacity 18/24 liters (net) chamber volume, jacketed with steam.

Modern Design

- ▶ A combination of simple lines, modern colors and state of the art technology.

High technology

- ▶ **Simple Operation** using a high- tech computerized control system.
- ▶ **Self Diagnostic System** to control the system's operation. Proprietary Windows based PC software enables full cycle documentation.
- ▶ **Blue Graphic Touch Screen Display** and an ergonomic User Interface.
- ▶ Sterilization cycles data collected online on a **SD card**.
- ▶ **The Most Advanced Interface Connections:** Ethernet, USB, RS232and RS 485.

Easy to Install

- ▶ **Utilities Free**, just plug into a power source and start sterilizing.
- ▶ **Self adjusting** to the local environment conditions.
- ▶ Microprocessor controlled sterilization phases like warm up, pre & post vacuum, sterilization, drying phases enable the system for auto correction, monitoring and display of all parameters like water level of fresh water tank, water level of used water tank, selected cycle, date, hours, minutes, seconds, detailed status report of sterilization phases, confirmation of successful sterilization cycle, if cycle is not successful then report of any anomaly with error Code.

Reliable Service

Easy to maintain, thanks to the modular design of all internal and external components. The service technician can monitor all service process via PC. After Sale Service Department maintains a network of competent technicians who can assist all over the world.

Easy To Use

- ▶ **A fully automatic door-locking device.** Opening and closing of the door by pressing only one button.
- ▶ **A RO water purification system** is available in order to avoid the need to refill the reservoirs that too in synchronisation with the need of the sterilizer. Its pump starts automatically unless the maximum water level is reached.
- ▶ **A friendly Graphic Touch Screen User Interface**, available for users in variety of languages.

Environmental friendly

- ▶ **Energy saving mode** reduces power consumption by approximately 12% to 30% and is thus environmental friendly.
- ▶ **Water saving system** using a membrane pump -no water is needed during the vacuum stage.
- ▶ **Paperless recording** using a SD card.

Highest standards

- ▶ Meets the highest standards requirements for quality and safety, complies with EN 13060 (Small Steam Sterilizers Standard).
- ▶ Stainless Steel Pressure Vessels AISI304 conforms to the Pressure Equipment Directive (PED).
- ▶ Safety Standard: EN 60601-1, EN 61010-1 and EN 61326.
- ▶ CE 0473 approved.

We do it right!

We are committed to the continuous improvements of the products, while keeping up to date with the most advanced technologies, regulation requirements and keeping our customers satisfied.

**INNOVATIVE TECHNOLOGY
FOR THE PERFECT STERILIZATION**



Technical Specifications

| Parameters | Values - mrt555 | Values - mrt556 |
|--|--|--|
| Chamber Dimensions, Inner Dia. X Depth, mm (inch) | 261(10.3)X 500(19.68) | 261(10.3) X 350(13.77) |
| chamber volume, Liter (gal) | 26 liters(7gal) Total 24 liters (6.1gal) Net | 20 liters Total 18 liters Net |
| External dimensions W x H x D, cm(inch) | 53.4(21) x 47.5(18.7) x 60.9(23.9) | 53.4(21) x 47.5(18.7) x 50.9(20.0) |
| Weight, kg(lb) | 60 kg (132 lb) | 55 kg |
| Shipping weight, kg(lb) | 70 kg (154 lb) | 65 kg |
| Shipping dimensions W x H x D, cm(inch) | 75(29.5) x 68(26.8) x 71(28) | 75(29.5) x 68(26.8) x 71 (28) |
| Tray dimensions W x H x D, cm(inch) | 18.4(7.2) x 2(0.8) x 39(15.4) | 18.4(7.2) x 2(0.8) x 29(11.41) |
| No. of Trays | 4 | 4 |
| Cassettes (optional) | 4 | 4 |
| Heaters Power, Power supply | 2000W 1 phase,220V -13A, 50/60 Hz 1500W 1 phase,115V -13A, 50/60 Hz | 2000W 1 phase,220V -13A, 50/60 Hz 1500W 1 phase,115V -13A, 50/60 Hz |
| Available cycles | 9 | 9 |
| Water reservoirs | 2 (Mineral free water and Drain water) | 2 (Mineral free water and Drain water) |
| Kw including steam generator | 3.5kw, 16A, 50/60 Hz | 3.5kw, 16A, 50/60 Hz |

Autoclaves (mrt555/mrt556)

| | | OPTIONS | |
|-----|---|----------|----------|
| 1. | Inbuilt Printer | OPTIONAL | OPTIONAL |
| 2. | Data connection -SD card | OPTIONAL | OPTIONAL |
| 3. | Reverse Osmosis System | OPTIONAL | OPTIONAL |
| 4. | HMI Software | OPTIONAL | OPTIONAL |
| 5. | Tray Holder & Trays | 4 | 4 |
| 6. | Sterilization Baskets, Pouch Racks, Cassettes, and aluminum Containers | OPTIONAL | OPTIONAL |
| 7. | Hand Disinfection System mrt410 | OPTIONAL | OPTIONAL |
| 8. | Shoes Disinfection System mrt420 | OPTIONAL | OPTIONAL |
| 9. | Shoes Lamination Machine mrt430 | OPTIONAL | OPTIONAL |
| 10. | Direct Airing System mrt440 | OPTIONAL | OPTIONAL |
| 11. | Biological Incubator 15 vials | OPTIONAL | OPTIONAL |
| 12. | Sealing Machine with Printer | OPTIONAL | OPTIONAL |

MRTSRL

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Certified company and approved by QRO System quality
ISO Certificates 13485:2016 and 9001:2015

We prefer to communicate via email.