Electrical Sterilizer

⚙️ Description

Electrical Sterilizers are advanced devices used to sterilize surgical instruments and equipment by applying high-temperature steam or dry heat. These sterilizers ensure the elimination of all microorganisms, making instruments safe for reuse. Designed for hospital, clinic, and veterinary use, they come in various sizes to accommodate different instrument loads.

📏 Specifications & Sizes

- Available Sizes (in inches):
  - 12" x 6" x 4"
  - 12" x 6" x 6"
  - 16" x 6" x 4"
  - 18" x 8" x 6"
  - 18" x 8" x 8"
  - 20" x 8" x 6"

🔄 Types

- Steam Sterilizer (Autoclave)
- Dry Heat Sterilizer

🧱 Material

- Stainless steel chamber for durability and corrosion resistance
- Heat-resistant insulated outer body

🏷️ Category

- Sterilization Equipment
- Medical & Veterinary Instrument Accessories

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Product Form

- Electrical powered sterilizer units
- Various chamber sizes for different instrument capacities

Usage

- Sterilizing surgical instruments, tools, and equipment
- Used in hospitals, clinics, dental, and veterinary practices
- Ensures high-level disinfection and sterilization to prevent infections

Advantages

- Efficient and reliable sterilization process
- Different sizes available to suit various load requirements
- Safe and user-friendly operation with temperature control
- Reduces risk of cross-contamination and infections

Disadvantages

- Requires electrical power source
- Regular maintenance needed for optimal performance
- Initial investment cost can be high

Precautions

- Operate as per manufacturer's instructions
- Do not overload sterilizer chamber
- Regularly clean and maintain to prevent malfunction
- Use only sterilizer-compatible instruments

Handling & Sterilization Details

- Ready to use once installed and powered
- Clean chamber regularly to maintain hygiene
- Ensure proper drying after sterilization cycle

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🐾 Veterinary Application

- Sterilizes surgical and diagnostic instruments used in animals
- Helps maintain sterile environment in veterinary clinics
- Suitable for instruments of various sizes and types

👩‍⚕️ Human Application

- Essential for sterilizing medical instruments in human healthcare settings
- Supports infection control protocols in hospitals and clinics
- Available in sizes to fit diverse surgical equipment needs

📜 HS & HSN Codes

- **HS Code:** 8419.89 — Sterilizers, other than those used for medical purposes
- **HSN Code:** 8419 — Machinery, plant or laboratory equipment, whether or not electrically heated

❓ FAQs

Q: What is the advantage of different sterilizer sizes?
A: Different sizes allow sterilizing various quantities and sizes of instruments efficiently.

Q: Can these sterilizers be used for both human and veterinary instruments?
A: Yes, they are suitable for sterilizing instruments in both fields.

Q: How often should the sterilizer be maintained?
A: Regular maintenance is recommended as per manufacturer's guidelines to ensure safety and efficiency.

Q: What types of sterilization methods do these sterilizers use?
A: Common methods include steam sterilization (autoclaving) and dry heat sterilization.

Q: Is electrical power required to operate these sterilizers?
A: Yes, these are electrical sterilizers and require a power source.

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