

SPCT-1 TABLE TOP AUTOCLAVE



NSW-230

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Technical Specification: Wing Nut Type Portable Autoclave (24 Liters)

1. General Description

- Application: Suitable for general laboratory use, specifically for sterilization purposes.
- Capacity: Single bin with 24 liters capacity.
- Type of cycle process – B process.
- Body Design: Vertical cylindrical body made of high-quality, seamless stainless steel.

2. Technical Specifications

1. Construction Material

- Body Material: High-grade, corrosion-resistant stainless steel.
- Cover: Domed design with slotted lugs around the rim for wing nut clamping.
- Gasket: Jointless gasket ensures a leak-proof seal between the lid and body.

2.2 Dimensions and Capacity

- Capacity: 24 liters.

- Chamber Size: 300 mm x 300 mm.

2.3 Pressure and Temperature Ratings

- Operating Pressure Range: 15 - 18 PSI.
- Working temperature in degree celsius – 121
- Safety Valve: Spring-loaded safety valve with threaded cap for pressure adjustments.
- Steam Release Valve: Enables controlled release of steam after sterilization.
- Pressure Gauge: Dial-type pressure gauge with a clear indicator.

2.4 Closure Mechanism

- Lid Closure: Domed cover clamped using wing nuts and hinged bolts for secure sealing.
- Type of Sterilizer Chamber Door: Hinged Door with top loading with wing nut type.
- Sterilizer Chamber door operation :Manual
- Sterilising Cycle Processes available: 121 Degree Celcius Wrapped
- Sterilliser Loading Type Top loading
- Locking System: Wing nuts engage with slotted lugs on the rim of the cover to ensure an even and safe seal.

2.5 Heating System

- Heating Element: High-quality 2 kW electric heating element.
- Voltage: Operates on 220-230V AC, 50 Hz, single phase.
- Plug and Cord: Supplied with compatible plug and cord for easy setup and operation.

2.6 Safety and Control Features

- Pressure Gauge: Displays real-time internal pressure.
- Safety Valve: Spring-loaded valve for safe pressure regulation.
- Steam Release Valve: Allows steam release post-sterilization to safely lower internal pressure.

2.7 Additional Specifications

- Seal: Jointless gasket for enhanced durability and leak-proof performance.

- Size of Drums in steriliser chamber (to place different type of instruments/ material) : 9 X 9 inch.

3. Operating Conditions

- Voltage: 220/230 volts, AC, 50 Hz single phase.
- Pressure Range: 15 PSI to 18 PSI for efficient sterilization.