



KEY FEATURES

- ✓ Direct heat and air jacket
- ✓ Infrared (IR) CO₂ sensor
- ✓ ULPA filter
- ✓ ISO Class 5 work zone
- ✓ ISOCIDE™ antimicrobial powder coating
- ✓ Validated 90°C moist heat decontamination cycle
- ✓ FDA-listed, Class II, 510k exempt medical device



ISOCIDE™



A. General Construction

- External Dimensions (Width x Depth x Height)
 - 750 mm (29.5") x 770 mm (30.3") x 900 mm (35.4")
- Internal Dimensions
 - 595 mm (23.4") x 640 mm (25.2") x 633 mm (24.9")
- Volume
 - 240 L (8.5 ft³)
 - Working volume: approx. 130 L
- Material
 - Main body: 1.2 mm (0.05") 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester ISOCIDE™ antimicrobial powder-coated finish
 - Work Zone: Abrasion and corrosion-resistant 304 grade, 0.9 mm stainless steel with BA finish
- Shelves
 - Material: 1.5 mm, grade 304 stainless steel shelves
 - 4 pcs. standard number of shelves
 - 15 kg/shelf (33.1 lbs./shelf) maximum load per shelf

B. Performance

- Direct Heat and Air Jacket
 - Direct heat achieves precise heating through the 8 heaters located in 3 zones for rapid temperature recovery and improved temperature uniformity
 - Air jacket provides insulation of the chamber from ambient temperature fluctuations
 - Temperature control range: Ambient +7 to 60°C
 - Temperature uniformity: < ±0.5°C
 - Temperature accuracy: < ±0.1°C
 - Temperature recovery (after 30 seconds door opening): ≤6 minutes

- VentiFlow™ Forced Convection System
 - Blower fan circulates filtered air in the chamber thereby accelerating the humidifying process and improving CO₂, humidity and temperature uniformity
 - Humidity range is up to 95% using humidity pan
- Infrared (IR) CO₂ Sensor
 - Drift-free sensor that enhances CO₂ control and uniformity without being affected by temperature and pressure
 - Has auto-zeroing feature which eliminates the need for calibration
 - %CO₂ control range: 0-20%
 - %CO₂ accuracy: ±0.1%
 - %CO₂ recovery time (after 30 seconds door opening): ≤6 minutes
- SteriSafe™ ULPA Filtration System
 - Filters chamber air with 99.999% efficiency at 0.2 to 0.1 µm particle size
 - Maintains chamber air at ISO Class 5 cleanliness
- SwiftCon™ 90°C Moist Heat Decontamination Cycle
 - Effectively deactivates normally-resistant fungi, bacterial spore and vegetative cells validated independently and by the Health Protection Agency (HPA) in UK
 - Cycle completes within 15 hours leaving the chamber clean and dry at the end of the cycle
- 0.2 µm Gas Inlet Filter
 - Removes impurities and contaminants from gas before it enters the chamber

C. Control Panel and Electrical

- SmartSense™ Microcontroller Interface
 - Four-line LCD display
 - Intelligent data and event logger records all incubator parameters for on-screen recall
 - 2 MB built-in flash memory guarantees long-term storage of data
 - With one-touch decontamination button
 - Has user-configurable audible and visual alarms
 - Equipped with automatic and manual reset thermostat for over-temperature protection
- Electrical Requirements
 - Power rating: 220-240 VAC, 50/60 Hz, 1 Ø
 - Nominal Power at 37°C: 42.2 W
 - Maximum Power Consumption: 1270 W

D. Available Options and Accessories

- Humidity display
- CO₂ backup
- 2-stage gas regulator for CO₂
- Analog output
- Sealed inner door kit with 4 or 6 glass doors
- Support stand with roller base
- 200 mm (8.0") floor stand with adjustable feet
- 700 mm (27.6") floor stand with casters
- Extra stainless steel shelves
- Stacking kit (standard accessory)
- Electronic gas analyzer
- Chart recorder
- Esco Voyager® Software Kit