



## KEY FEATURES

- ✓ Direct heat and air jacket
- ✓ Infrared (IR) CO<sub>2</sub> sensor
- ✓ ISOCIDE™ antimicrobial powder coating
- ✓ Validated 90°C moist heat decontamination cycle



### A. General Construction

- External Dimensions (Width x Depth x Height)
  - 500 mm (19.7") x 500 mm (19.7") x 655 mm (25.8")
- Internal Dimensions
  - 345 mm (13.6") x 375 mm (14.8") x 388 mm (15.3")
- Volume
  - 50 L (1.8 ft<sup>3</sup>)
- 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
  - 3 pcs. standard number of shelves

### B. Performance

- Direct Heat and Air Jacket
  - Direct heat achieves precise heating through the 8 heaters located in 4 zones for rapid temperature recovery and improved temperature uniformity
  - Air jacket provides insulation of the chamber from ambient temperature fluctuations
  - Temperature control range: Ambient +3 to 60°C
  - Temperature uniformity: < ±0.5°C
  - Temperature accuracy: < ±0.1°C
  - Temperature recovery (after 1 minute door opening): ≤6 minutes
- VentiFlow™ Forced Convection System
  - Blower fan circulates filtered air in the chamber thereby accelerating the humidifying process and improving CO<sub>2</sub>, humidity and temperature uniformity

- Humidity range is up to 95% using humidity pan
  - Infrared (IR) CO<sub>2</sub> Sensor
    - Drift-free sensor that enhances CO<sub>2</sub> control and uniformity without being affected by temperature and pressure
    - Has auto-zeroing feature which eliminates the need for calibration
    - %CO<sub>2</sub> control range: 0-20%
    - %CO<sub>2</sub> accuracy: ±0.1
    - %CO<sub>2</sub> recovery time (after 1 minute door closing): ≤5 minutes
  - 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
  - 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
  - Electrical Requirements
    - Power rating: 220-240 VAC, 50/60 Hz, 1 Ø
    - Power consumption at 37°C: 40.9 W
    - Power consumption during decontamination cycle: 598.8 W
- D. Available Options and Accessories
- Humidity display
  - CO<sub>2</sub>/N<sub>2</sub> backup
  - 2-stage gas regulator for CO<sub>2</sub>/N<sub>2</sub>
  - Analog output
  - Sealed inner door kit with 2 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