

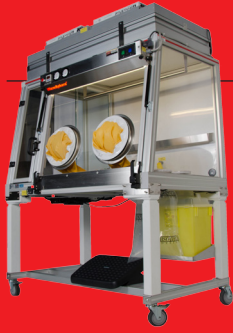
# MICROSPHERE™

The clean, cost-effective compounding aseptic isolator (C.A.I.) to meet USP <797> requirements for sterile compounding

**USP <797> COMPLIANT**



PROTECTING LIFE  
PROTEGER LA VIE  
PROTEGIENDO LA VIDA



# MICROSPHERE™ BENEFITS

## ASEPTIC

Physical barrier between products and operators  
ISO Class 5 (Class 100) - Meets USP <797> and all other regulations

## ERGONOMIC

Easy-to-operate, install and maintain

## MODULAR

Many sizes and options available

## NO CLEANROOM TO BUILD, MINIMAL GOWNING

Very cost-efficient

### APPLICATIONS FOR STERILE COMPOUNDING AND ADMIXTURE

- > Antibiotics, biotech, diabetics, ophthalmics, intrathecal, pain management, respiratory and TPN

### AIR FILTRATION

- > **PREFILTER** MERV 8, 30% or equivalent
- > **FILTER** Hepa filters (99.99% DOP at 0.3 µm) vertical unidirectional flow
- > **AIRFLOW** Unidirectional, ≥ 300 cfm
- > **FACE VELOCITY** ≥ 40 fpm at 6 inches from filter face

### DIMENSION

- > **LENGTH** 4, 6, 8 ft and custom
- > **DEPTH** 2.5 ft

### ELECTRICAL REQUIREMENTS

- > 115V / 60 Hz / 3A (4 ft model), 5A (6 ft and 8 ft model)

### ERGONOMICS

- > Slanted front panel
- > Seated or standing work position
- > Footrest

### FAN

- > Blower speed can be adjusted
- > On/Off Switch

### GLOVE PORTS

- > **QUANTITY** 2, 3, 4 or custom
- > **GLOVES** Sterile non latex, and non-sterile gloves

- > **SIZE** 10" Stainless steel shoulder port rings  
PVC laminated Sleeves and ABS cuff rings

### LIGHTING

- > **FLUORESCENT LIGHTING** 40W fixture mounted within the top panel
- > **STRENGTH** ≥ 600 lux (58 foot candles) at the work level

### MATERIALS OF CONSTRUCTION

- > **SUPPORT FRAME** Anodized aluminum (Fed. St.)
- > **TOP PANEL** Fan filter module with aluminum support structure
- > **SIDE / SLANTED FRONT PANELS** Clear polycarbonate AR (Abrasion Resistant)
- > **BACK PANELS** White polypropylene
- > **WORKSURFACE** 316L Stainless Steel pan type N° 4 finish

### NOISE LEVEL

- > Quiet, less than 65 dB

### TRANSFER CHAMBER

- > One or two can be located at either end of the C.A.I, or in the middle
- > Unidirectional ≥ 40 fpm air flow at 6 inches from filter face
- > ISO Class 5 (Class 100)
- > **SIZE** 12", 18" and 24"

### TRANSFER DOORS

- > Sliding

### ACCESSORIES

- > Open front slanted hinged access panel
- > Casters
- > Waste disposal port
- > IV-Bar
- > Sharp disposal port
- > Electrical outlet
- > Shelving system
- > Data cable port
- > Ergonomic chair
- > Clean area mop for hard to reach area
- > Lifting system for height adjustment
- > Essentials and accessories kits
- > Installation, certification, start-up and training

### DELIVERY

- > Between 4 and 6 weeks

### DOCUMENTATION & SERVICES

- > Operation and maintenance manual
- > S.O.P. (Standard Operational Procedure)
- > Total Service Plans (TSPs)

### WARRANTY

- > 12 months