

MICROSPHERE™

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

USP <797> COMPLIANT



PROTECTING LIFE
PROTÉGER LA VIE
PROTEGIENDO LA VIDA

MICROSPHERE™ 4 x 2



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
- > **ISO-GCS** Includes: 3 cuff extensions and 3 plugs
- > **SIZE** 10" Stainless steel shoulder port rings
PVC laminated Sleeves and PVC 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 depending on the model
- > 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
- > Lifting system for height adjustment
- > Essentials kit
- > Installation, start-up and training (online)

DELIVERY

- > Immediate 7-10 days (if available in stock)
- > 8 weeks (if not in stock)

DOCUMENTATION & SERVICES

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

WARRANTY

- > 12 months

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ISO TECH
DESIGN

CLEAN AIR
ESSENTIALS 797/800