

ISO TECH
DESIGN

MicroSphere™

The cleaner, most cost-effective compounding aseptic isolator (C.A.I.) to meet the USP requirements (Chapter 797) for sterile compounding

**USP 797
COMPLIANT**



NEW & IMPROVED
MicroSphere™
C.A.I.

MicroSphere™ 4x2

FOR STERILE COMPOUNDING
Why Build a cleanroom?

Innovators in Clean Air Technology

Advantages

- ◆ **Modular**: Can be custom-designed, many sizes / options available.
- ◆ **Ergonomic**: Easy-to-operate, install and maintain.
- ◆ **No Cleanroom to build, no gowning**: Very cost-efficient.
- ◆ **Safe**: Physical barrier between products and operators.
- ◆ **Aseptic**: ISO Class 4 (Class 10) - Meets the **USP (Chapter 797)** and all other regulations.

Specifications

APPLICATIONS	◆ For sterile compounding and admixture: TPN, antibiotics, pain management, opthalmics, respiratory, intrathecal, diabetics and biotech.
MATERIALS OF CONSTRUCTION	◆ Support frame: anodized aluminum (Fed. St.). ◆ Top panel: Fan filter module with aluminum support structure. ◆ Side and slanted front panels: Clear polycarbonate AR (Abrasion Resistant). ◆ Back panels: White polypropelene. ◆ Worksurface: 316L Stainless Steel pan type No. 4 finish.
AIR FILTRATION	◆ Prefilter: Ashrae 30%. ◆ Hepa filters (99.99% DOP at 0.3 u) vertical unidirectional flow. ◆ Airflow: >650 CFM. ◆ Face velocity: 60 FPM at six inches from filter face.
FAN	◆ Blower speed can be adjusted. ◆ On/Off Switch.
NOISE LEVEL	◆ Quiet. Less than 65 dB.
DIMENSION	◆ Length: 4, 6, 8 ft and custom. ◆ Depth: 2.5 and 3.5 ft. ◆ Height: 6.75 ft (80").
TRANSFER CHAMBER	◆ One or two can be located at either end of the microenvironment or in the middle. ◆ Unidirectional flow at 60 ft/min at 6 inches from filter face. ◆ ISO Class 5 (Class 100). ◆ Size: 12", 18", 24" or custom.
TRANSFER DOORS	◆ Sliding.
ERGONOMICS	◆ Slanted front panel. ◆ Seated or standing work position. ◆ Footrest.
GLOVE PORTS	◆ Quantity: 2, 3, 4 or custom. ◆ Size: 12" Stainless steel shoulder port rings. ◆ PVC laminated Sleeves and ABS cuff rings. ◆ Gloves: Dexterous latex or non latex gloves.
LIGHTING	◆ Fluorescent lighting (40 watts fixture mounted within the top panel). ◆ Strength: 620 lux (58 foot candles) at the work level.
ELECTRICAL REQUIREMENTS	◆ 115V / 60 HZ / 3A (4 ft model), 5A (6ft and 8 ft model).
DELIVERY	◆ 4 - 6 weeks.
WARRANTY	◆ 18 months / Extended 36 months.
ACCESSORIES AND OPTIONS THAT MAKE THE MICROSPHERE™ UNIQUE AND ERGONOMIC	◆ Open front slanted hinged access panel. ◆ Casters. ◆ Waste disposal port. ◆ IV-Bar. ◆ Sharp disposal port. ◆ Electrical outlet. ◆ Shelving system. ◆ Gas port / data cable port. ◆ Ergonomic chair. ◆ Clean area mop for hard to reach area. ◆ Lifting system for height adjustment. ◆ Disposable and Start-up kit. ◆ Installation, certification, start-up and training
DOCUMENTATION	◆ Operation and maintenance manual. ◆ S.O.P. (Standard Operational Procedure).

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