Moving Contamination In The Right Direction
ABOUT US

• enviroflo Product Line First Introduced In 2002

• Manufacture Custom Containment & Safety Enclosures For Critical Applications

• Servicing Pharmaceutical, Biotech, Medical Device, Electronics & Aerospace Industries

• Personnel With Over 40 Years Combined Cleanroom Industry / Design Experience

• USA Distributor For SST, SAFESCIENCE TECHNOLOGIES Ltd Line Of Tox-Safe Balance Enclosures
HEADQUARTERS & MANUFACTURING OPERATIONS

- Headquarters In San Jose, CA
- Manufacturing Facility Centrally Located In Dallas, TX
ENCLOSURE APPLICATIONS

• Liquid Handling Robotics
• Powder Containment / Handling
• Clinical Scale Filling
• Analytical Balances
• HPLC Equipment
• Personnel Or Product Protection
• Electronics Manufacturing, Assembly & Testing
ENCLOSURE DESIGN

• Application Specific Designs

• Static, Re-circulated And Single-pass HEPA Filtered Air

• Heavy Duty Construction
ENCLOSURE DESIGN

• 6063-T6 Anodized Aluminum Extrusion Framework
  • Optional Stainless Steel

• 4-sided Fascia HEPA Enclosure

• Polycarbonate, Acrylic Or Glass Glazing Materials

• Variety Of Viewing & Access Openings
ENCLOSURE DESIGN

• 4-sided Access Designed To Your Requirements
  • Front Access
  • Rear Access
  • Side Access
ENCLOSURE DESIGN

- Dished Base Floors For Secondary Containment
  - Stainless Steel
  - Phenolic Resin
  - Polypropylene
ENCLOSURE DESIGN

- Positive Or Negative Pressure
- Product Or Personnel Protection
- Table-top Or Full-frame Models
ENCLOSURE DESIGN OPTIONS

- Custom Designed And Engineered To Your Requirements
ENCLOSURE DESIGN OPTION

- BSC 2 Style Airflow Design
  - Product & Personnel Protection
  - Counter-balanced Sash
  - Gas Hinged Windows
  - Custom Operator Access Panels
  - Open Face Air Velocity Maintained At Minimum 100FPM
ENCLOSURE FEATURES

• HEPA Filtered Air – Supply And / Or Exhaust

• Vertical Or Horizontal Airflow

• Rear Plenum Exhaust Option
ENCLOSURE FEATURES

- Full Access Doors For Equipment Installation & Maintenance
- Standard & Custom Sizes
ENCLOSURE FEATURES

- End Panel Access
- Removable Doors
- Hinged, Bi-fold, Sliding, Flip-Up / Flip-Down Doors, Or Finished Openings
ENCLOSURE FEATURES

• Integration With Other Manufacturer’s Equipment

• HEPA Filtered Side Inlet Air

• HEPA Filtered Exhaust Air (To Laboratory Or House Exhaust)
ENCLOSURE FEATURES

• Integrated Rear Facilities Panel
  • Bulkhead Fittings
  • Electrical D Connectors
  • Valves, Gauges & Regulator Connections
  • Tubing Pass-thru Fittings
ENCLOSURE OPTIONS

- Bag-in / Bag-out HEPA Filtration
- Environmental Monitoring Controls
- 3rd Party Airflow Certification
- Lower Frame Storage
ENCLOSURE OPTIONS

- Environmental Monitoring
  - Temperature / Humidity Control
  - HEPA Filtration
  - Particle Monitoring
  - Airflow Monitoring
  - Data Logging
ENCLOSURE OPTIONS

• Available Portable Motorized HEPA Filter Modules
SOFTWALL ENCLOSURES

- C-Frame, H-Frame Or 4-Post Frame Design
- Locking Casters / Seismic Zone Bracing
- Softwall Curtains
ELECTRONICS INDUSTRY
WORKSTATIONS

- ESD Panels And Surfaces
- Airborne Particle Monitoring
- Dual HEPA Filtered Workstations
- N2 / CDA Connections
Features

• enviroflo, Inc. Offers The Complete Line Of Acrylic Enclosures from SAFESCIENCE TECHNOLOGIES Ltd.

• Tox-Safe Balance Enclosure

• Dual HEPA Filtered Workstations

• N2 / CDA Connections
Features

• Turbulence Free Environment Provides Unrivalled Balance Stability

• New Safe-Change HEPA Filtration Reduces Maintenance Costs
Features

• A Multitude Of Configurations Available For All Laboratory Containment Requirements.
• Validated IQ/OQ Documentation Available.
• Standard Sizes Range From 900mm-1800mm
Features And Benefits

• 6mm Cast Acrylic Design And Built. All Components Produced From The Same Material Helping To Reduce Cost To Customer.

• TOPLAB 20mm High Density Chemically Resistant Matt Black Base Gives Routed To Assure No Spillages And Giving Balance Stability.
Features And Benefits

• All Fixings And Fittings Can Be Maintained From Outside The Enclosure. No Requirement To Maintain Internally.

• Higher Front Aperture Giving Better Ergonomics And Higher Containment Performance.
Internal Baffle Design

• Clear Baffle Exposes All Potential Contamination. No Hidden Area’s For Lab Dust To Collect Assuring A Safer Environment.

• Baffle Design Allows For Greater Internal Working Area Without Compromising Containment Performance.
Internal Baffle Design

• Fixings For Baffles Allow For Easy Removal For Cleaning And De-contaminating.

• Flat Back System Gives Easier Placement In Any Laboratory.

• Airfoils Fitted To Keep Airflow Laminar.
Alarm System

• Digital Hot Wire Anemometer Alarm System

• User Password Protected For Set Up And Calibration.

• User Setting Available On High And Low Alarms.
Alarm System

• Full Data Logging
• Traceable Sensor
• Readings Pinpointing
• Alarms

• Touch Screen
• Calibration To
• 0.01m/S Giving
• More Accurate
• Calibration.

• Easily Adaptable
• For Any Instrument
Stainless Steel Potent Powder Enclosure

• Larger And Elevated Face Opening Give Greater Accessibility.

• Stainless Steel Base And Removable Plenum Assures A GMP Compliant Enclosure For CIP.

• Turbulence Free Environment Provides Unrivalled Balance Stability
Stainless Steel Potent Powder Enclosure

• Controlled Containment Environment To Nanoparticle Levels With A Range Of Filtration Options.

• A Multitude Of Configurations Available For All Laboratory Containment Requirements.

• Validated IQ/OQ Documentation Available.
Customized Solutions

• SST Has Over 15 Years Experience In Designing, Building And Qualifying Customized Solutions For High Potency Applications

• Incorporating A Highly Technical Team To Assure The Instrument Provides The Optimum Application Solution.
Customized Solutions

• Full FAT And Occupational Hygiene Qualifications Available To Guarantee High Potency Containment.

• Project Capabilities Range From PPE To High Potency Manufacturing Suites.

• Available In Stainless Steel.
FACTORY SUPPORT & DOCUMENTATION

- User Requirement Specifications (URS)
- Design Qualification (DQ)
- Installation Qualification (IQ)
- Operational Qualification (OQ)
- Factory Acceptance Test Protocol (FAT)
- Site Acceptance Test Protocol (SAT)
FACTORY INSTALLATION

- Complete Factory Installation Or Supervision Available
- On-site Assembly Around Existing Equipment When Needed