

## Aseptic Filling Line Isolators

Complex bottle (liquid and powder) filling lines require competent aseptic, sterile management of the interaction between the bottle filling machine, barrier isolator system and subsequent machines such as freeze drying systems or overseal capping machines.

Schematic Engineering Industries (SEI) provides turnkey barrier isolator and equipment solutions and can offer full liquid and powder filling systems, including conveyor and integrated automation from a single supply source. Our barrier isolators seamlessly integrate with 3rd Party filling machines and conveyor systems and significantly reduce the risk presented by direct human intervention.

From complete filling lines to stand alone aseptic processes, our AFL100™ isolators are designed to supply solutions adhering to regulatory standards and cGMP guidelines. Factory Acceptance Testing (FAT) of our isolator filling line solutions can be conducted in our Indian or UK facilities to suit the customer requirements/geography.



## Technical Specification

- ISO 14644-1: class ISO 5 (Class 100, Grade A)
- 21 CFR Part 11 ready
- Rigid Stainless Steel Construction
- Containment breach and Filter choked alarms
- Low pressure and high pressure alarms
- Interlocked door system and H14 HEPA filtration
- Light Vacuum (100 Pa) system
- Integrated conveyor system
- Temperature and Humidity (RH) monitoring/control
- cGAMP - PLC/HMI controlled
- Integral Bio-decontamination (Optional)
- Isolator system is designed to achieve a minimum of ISO 4.8 (Grade A) classification (Optional).
- Supplied to all OEL Categories OEL 1-5



## AFL100™ Isolators



liquid/powder filling  
line barrier isolators



### Design Features

- Uni-directional laminar flow
- H14 HEPA filtration
- 21 CFR Part 11 ready
- Large oval gloveports
- Temp. & RH monitoring/control
- cGAMP - PLC/HMI controlled

### Operational Benefits

- Integrates with 3rd party filling lines
- Adheres to regulatory standards
- Reduced risk of human intervention
- Improves filling line operation/performance