



Utilities entering biosafety cabinets must have backflow prevention (left), all penetrations must be sealed and pass smoke testing (middle), sinks and hand wash basins must have true hands-free operation and splash prevention/protection (right).

BSL-3 Certification Requirements

Basler & Hofmann inspection scope

- Biosafety cabinet installation certification: Applicable standard, certificate (not older than 1 year)
- Exhaust HEPA-filter integrity test: Applicable standard, certificate (scan test/integral test: installation certificate)
- Exhaust HEPA-filter housing integrity test: Applicable standard, certificate (factory test 2,500 Pa, installation test 1,000 Pa)
- Materials for supply ductwork: specifications
- Welded SS duct joint mock up
- Type of airtight or bubble tight dampers: specifications
- Materials for exhaust ductwork: specifications and ductwork integrity test
- Supply and exhaust duct leakage tests
- Room integrity test: Pressure test (decay curve)
- Location of airtight dampers, installation integrity tests
- Ventilation drawings as built
- AHU, exhaust fan, HVAC control devices and sensor documentation, technical specifications
- Ventilation manual of operation (for the user)
- Ventilation failure tests (AHU failure. Pressure charting)
- Ventilation TAB report
- Ventilation (BMS) control document and test report
- Illumination drawings (fixtures)
- Illumination levels in all rooms (bench top lux values)
- Emergency lighting
- Plumbing drawings as built
- Submittal of approved backflow preventer
- Sanitary drawings as built
- Ventilation, Plumbing and Sanitary maintenance manual and plan
- Autoclave specifications: True bioseal and specification compliance
- Autoclave installation and commissioning report (calibration, validation)
- Autoclave manual and maintenance schedule
- EDS installation and commissioning report (successful operation)
- EDS manual and schedule
- EDS: manual of operation (for the user)
- Fire alarms test report / Conformity with local codes
- List of all alarms and who gets alarmed
- UPS test report
- Power generator test report
- UPS Manual (operation and maintenance, and schedule)
- Power generator manual (operation and maintenance, and schedule)
- Test of equipment connected to emergency power and/or UPS
- Access control system: manual of operation (for the user)
- Test procedure and report of Fumigation for all rooms and the ductwork
- Test report of measuring temperature and humidity for every room
- Modular sandwich panel and penetration mock up