

# BSL3 Effluent Sterilization System

**BETA STAR**  
LIFE SCIENCE EQUIPMENT

The Beta Star BSL3 effluent steam sterilizers are designed specifically for the decontamination of autoclavable materials such as hard goods, textiles and liquids in vented containers in BSL3 biohazard areas.

All Beta Star BSL3 effluent sterilizers provide the protection you need and the sterilization capabilities you can rely on for these critical applications.

Our design prevents harmful pathogens and viruses from exiting the sterilizer at any time during the sterilization process. Pathogens are retained until the required sterilization exposure time has been achieved.

Standard steam sterilization cycles exhaust through a 0.2 um hydrophobic filter in order to prevent pathogens and viruses from exiting the sterilizer during the exhaust and vacuum phases of the sterilization cycles and prior to fulfilling sterilization time and temperature requirements.

All Beta Star BSL3 effluent sterilizers are provided with both gravity and vacuum capabilities.

All Beta Star BSL3 effluent sterilizers are UL and CSA listed. Models are available in either single or double door configurations.



## Standard Features

- 316L Stainless Steel chamber and door constructed to ASME Section VIII, Division I pressure vessel code
- Polished to <25Ra chamber and door with "easy-clean" rounded corners and floor-sloping drain system
- Mitsubishi PLC color touch screen control system with 30 configurable cycles and a 32 column dot matrix printer
- 0.2 um hydrophobic filter
- UL and CSA listed
- Automatic sliding doors, or manual radial arm door
- Door safety interlocks
- Bio-containment seal
- Brass/copper piping construction for chamber and jacket
- High temperature FDA approved silicone door seal
- Industrial grade pneumatic valves
- Non-proprietary components for all plumbing, electrical and control systems
- #4 polished, 16 gauge, 304 stainless steel fascia panels for recessed installation
- Integral quench system to reduce system discharge
- Guaranteed chamber temperature control of +/- 0.5°C
- Exclusive EnviroVac® Water Conservation System



## Optional Features

- A second bio-containment seal
- Steam generators (electric and steam to steam)
- Load probe for liquid cycles
- RO high quality water system
- Loading equipment
- Mirror finish for chamber and door
- 316L stainless steel piping package

**ENVIROVAC®**