

STERI-CASE TEST RESULTS *OSHA COMPLIANT*



FIGURE A

shows how the Ozone Generator is fixed to a 5 minute time cycle that, for safety reasons, cannot be increased.

COMPLIMENTARY TIMER

A timer with a loud alarm is provided to signify the completion of the Ozone Dissipation period

MODIFICATION TO THE OZONE GENERATOR

1. The high voltage circuit connected to the Corona Discharge Unit has been modified to reduce the Ozone output to 20.2 ppm. (Parts per million) which is the value used by Yale University for PPE Disinfection.
2. The Ozone output has been set to a 5 minute ozone infusion cycle, as shown in IMAGE A, to limit the Infusion time to a precise controlled value.

MODIFICATIONS TO STERICASE

3. The 2 mm orifice in the stainless steel 1/8" NPT inlet nozzle has a 1.2mm reduction insert to conform, once again, to a precise controlled value

TEST RESULTS

4. During the 5 minute Ozone Infusion Cycle, the off-gas emission outside the case was recorded at 0.006 ppm.
5. The Ozone intensity inside the case reached 20 ppm at 5 minutes.
6. The temperature during this test was 19 degrees centigrade.
7. The humidity during this test was 45%.
8. OZONE DISPERSION TIME – The ozone residue in the case after 25 minutes was 0.3 ppm which dispersed to zero in 10 seconds.

REQUIRED COMPLIANCE

9. Make sure the latches on the aluminum case are firmly closed.
10. Even though the off-gas emission during the 5 minute infusion cycle is substantially below OSHA's safety limits, do not stand directly over the case during the 5 minute infusion period.
11. Please stand back for 10 seconds after opening the case.