

Minimum Specifications for Environmental Chamber

Complete Environmental Chamber system comprising of an environmental chamber to surround a fatigue test specimen on a universal testing machine.

- 1) The environmental chamber shall have outside dimensions to fit within the space available on the universal test machine. The clearance for the environmental chamber is 13.4 inches horizontal and 31.5 inches vertical. Minimum interior chamber depth shall be 9 inches; 1-1/2" dia. ports for load train to be located on top and bottom.
- 2) The environmental chamber shall have a stainless steel liner, hinged full-height door, an internal light and insulated sample-viewing window.
- 3) Setpoint controller for the environmental chamber shall be supplied. The chamber shall control from -220 F to 540 F using forced convection.
- 4) Cooling shall be achieved using liquid nitrogen (LN2). An LN2 injector/ solenoid valve shall be supplied.
- 5) Power shall be 120V 1 ph.
- 6) All cabling and interconnects shall be supplied.