



Technical Information



Walk In Environmental Test Chamber

Standard Features

Temperature Range: -100°F to +350°F (-73.3°C to +177°C)

Standard Sizes: Up to 1200 cubic feet

Construction

Interiors are type 304 stainless steel, heliarc welded and vapor tight. The floor is capable of supporting a 300 psf. uniform static load.

Insulation is non-hygroscopic, non-settling high "R" value fiberglass.

Exteriors are fabricated out of structural steel and corrosion resistant sheet steel. Structural support and base allows handling by forklift.

Dual silicone rubber gaskets to seal door to the chamber.

Heavy-duty door hinges and a specially designed, adjustable door latch w / internal release.

Tough, industrial quality, textured enamel paint finish. The standard finish is medium gray.

Access panels for easy serviceability.

Stainless steel drain with check valve.

Pressure equalization system.

REFRIGERATION SYSTEM

Heavy duty, industrial quality, semi-hermetic compressors.

Thermal expansion valves to control cooling, allowing maximum pulldown rates and high load ratings, without sacrificing one for the other.

Liquid injection valves to insure sufficient compressor cooling during all chamber temperature conditions.

Bypass systems for accurate temperature control while eliminating life-shortening rapid compressor cycling.

Bypass time-out feature shuts compressor off, after timing out in a standby condition, reducing energy consumption and eliminating standby operation when profiles do not require cooling.

Refrigeration pressure gauges on all systems.

System design backed by years of environmental experience and constructed of high quality commercially available components.