Temperature range*	-25°C to 50°C(Extended temp upto 70°c available.
Temperature uniformity	± 1.5°C
Temperature control at sensor	± 0.2°C
Control resolution	± 0.1°C
Cooling/Heating type	Thermoelectric/Peltier driven-for heating/Cooling
Chamber Volume in Cu. Ft	21.4 cu.ft
External Dimension-LXWXH	28″×31″×81″ (refer to drawing)
Internal Dimension-LXWXH	24″ x 27″ x 60″ (refer to drawing)- height includes plenum which is 5″H.
Shelf dimension	23.5” x 24.5”
Cabinet specs	Stainless interior and exterior construction
Lights	LED light
Electrical requirement	115V/60hz/1ph, Unit plugs into standard wall outlet.
Shelf quantity, type	3 per chamber/ additional shelves available, wire shelf- PVC coated with 4 installation clips. Shelf capacity- 100 lbs distributed load.
Weight specs	Chamber weight- 210lbs Shipping weight- 254 lbs

*Specifications are based on 20°C ambient and standard voltage. Specifications are subject to change without notice.

Chamber options:

- Chart recorder
- Additional shelving

Chamber features:

This is a laboratory freeze thaw chamber capable of performing in wide temperature range (-25°c to 50°c) with precise temperature control over the entire range. The chamber can be used in wide range of application that requires product life span testing.

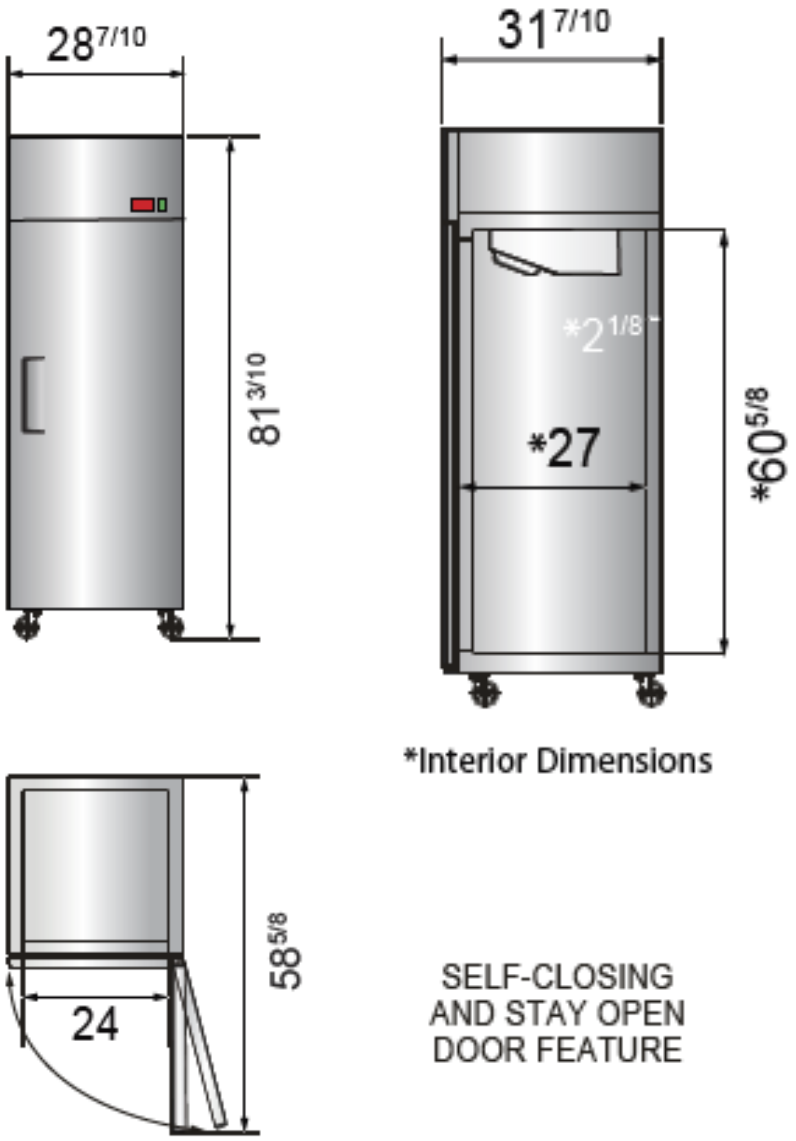
Chamber can be used as a general laboratory storage freezer. Chamber is capable of maintaining -25°c at controlled ambient temperature of 20°c.

Chamber has 2” thick CFC free insulation providing good thermal gradient. Door locks are standard in doors. Chambers comes with 2” access port with insulation plug. Chamber also includes pre-installed casters capable of supporting 150-200lbs per caster. Chamber uses thermoelectric assembly for heating and cooling. This type of cooling/heating system completely eliminates need for conventional refrigeration system and failures due to mechanical components such as compressors thereby drastically increasing the life expectancy of each chamber. Maintenance cost is also lowered by the thermoelectric/Peltier driven heating/cooling system. The chamber is quiet in operation. Back wall plenum on chambers ensures uniform distribution of conditioned air. Chamber temperature setpoints are tightly controlled using PID controller.

Standard Temperature control features:

- RS485 panel mount-usb cable interface
- Simplifies Controller Management with Easy-to-Operate Graphic User Interface
- 2 programmable alarm
- Provides Access to Advanced Scripting Capabilities
- Visually interpret thermal data
- Control access via software, export data in csv format

Technical drawings



*Interior Dimensions

SELF-CLOSING
AND STAY OPEN
DOOR FEATURE