



ESTEEM INDUSTRIES INC.



ESTEEM STABILITY CHAMBERS

ESTA-SC101 ESTEEM STABILITY CHAMBER

(WALK-IN CHAMBER TYPE)



ESTA-SC101 stability chambers are provided with microprocessor based PID regulator along with auto tuning feature. It has inbuilt humidity sensors to measure it in relative solid state.

CABINET CONSTRUCTION:

- ◆ 300 series stainless steel front grill, shroud and doors. Stainless steel exterior ends and back.
- ◆ Interior ◆ INSF approved, white vinyl coated aluminum and 300 series stainless floor with coved corners.
- ◆ Barrel lock standard for each door. Locks keyed alike.
- ◆ Cabinet mounted on Stainless Steel for additional corrosion protection.
- ◆ Frame rail fitted with 4" diameter casters, (front casters include brakes).

DOORS:

- ◆ 300 series stainless steel exterior with Stainless Steel interior to match cabinet liner. Doors extend full width of cabinet shell. Door gaskets of one piece construction.
- ◆ Lifetime guaranteed adjustable torsion type closure system with SS block supports. The face of each door fitted with a 12" long recessed handle with sheet metal interlock. Handles are foamed-in-place to insure permanent attachment.

INSULATION:

- ◆ Entire cabinet structure and doors insulated using foamed-in-place CFC free polyurethane foam.

SHELVING:

- ◆ Adjustable vinyl coated wire shelves (3 per door). Shelves capable of supporting up to 250 lbs.
- ◆ Full height shelf support pilasters, with double oblong holes on 1/2" centers. Pilasters made of the same material as cabinet interior. Four (4) chrome plated, stainless steel shelf clips to be included for each shelf.

LIGHTING:

- ◆ Incandescent interior lighting. Light(s) activated by rocker switch mounted above door(s).

REFRIGERATION SYSTEM:

- ◆ Unsurpassed temperature control through continuous refrigeration bypass system.
- ◆ Refrigeration system factory balanced using CFC free 134A refrigerant.
- ◆ Top mounted condensing unit.
- ◆ Factory pre-engineered capillary tube system with oversized condenser and evaporator to reduce product pull down time and to consistently maintain interior cabinet temperature (non-adjustable capillary tube system superior to problematic expansion valve).
- ◆ Evaporator - epoxy coated at the time of manufacture to eliminate the potential of corrosion.

ELECTRICAL CHARACTERISTICS:

- ◆ Unit completely pre-wired at factory, and ready for final connection to a 115/60/1 phase - 15 amp dedicated outlet. A cord and plug set to be included.
- ◆ A sole use circuit is required.

STABILITY CHAMBERS HAS THE FOLLOWING FEATURES:

- ✱ Walk-in Stability test chambers are especially designed to carry out stability and shelf life test on drug and drugs substance according to ICH / FDA / WHO guidelines.
- ✱ Double walled Construction with regular and GMP models.
- ✱ Pre-engineered, Pre-fabricated modular panels with 80mm thick 'PUF' insulation with easy-to-assemble panels on site.
- ✱ Inside coating of floor is of either aluminium or stainless steel sheet 10 SWG thick, pressed , non-slip.
- ✱ Perfect insulation and minimum power consumption.
- ✱ Fastenings are cam locks for easy assembly and possible disassembly.
- ✱ The door has two pane toughened glass viewing windows.
- ✱ Stainless steel racks and perforated trays to utilise the chamber for its maximum capacity.
- ✱ A port hole of 50mm dia is provided on the side wall for inserting calibration transmitter.
- ✱ A well balanced 'CFC-free' bypass ducting refrigeration system with eco-friendly refrigerant.

DATA ACQUISITION SYSTEM COMPLYING TO 21 CFR PART 11

- ✱ Data records and process control systems have Electronic Signature and Electronic Record capability. The controllers have a lockout feature that permits changes through a 21 CFR Part 11 compliant operator station, thus providing the necessary audit trail.
- ✱ Mean Kinetic Temperature value.
- ✱ Password security for log in and door operations.
- ✱ Operators need to enter user name and password before taking any action.
- ✱ Report search option using date and sample name
- ✱ Secure computer generated, time stamped runtime audit trail of batch stop / start, alarm acknowledgments, logins, signature details, configuration changes.
- ✱ Standard networking via Ethernet.
- ✱ User Actions with signing and authorization.
- ✱ Access control according to authority level.

ESTEEM STABILITY TEST CHAMBERS(LAB MODEL)



ESTA-SC102 ESTEEM STABILITY CHAMBER(LAB MODEL)

ESTA-SC102 STABILITY TEST CHAMBER HAS THE FOLLOWING FEATURES:

- ✦ Stability Chambers(lab model)are designed to carry out stability and shelf life test on drug and drugs substance according to ICH / WHO / FDA guidelines.
- ✦ Double walled Construction with regular and GMP models.
- ✦ 80mm thick 'PUF' insulation lagged in-between the walls to prevent loss of conditions.
- ✦ The chamber has two doors, inner full view glass door and outer metallic door with positive locking.
- ✦ A port hole of 50mm dia is provided on the side wall for inserting calibration transmitter.
- ✦ A well balanced CFC-free bypass ducting refrigeration system with eco-friendly refrigerant.
- ✦ Easily replaceable air tubular heater to heat the chamber.
- ✦ Low pressure water boiler & water reservoir with float valve & water level switch.
- ✦ Non-condensing water vapours injected into the chamber for humidification.
- ✦ Suitable dehumidification system by refrigeration method to maintain low humidity is provided within the prescribed accuracy.
- ✦ Dynamically balanced chamber circulatory system.
- ✦ Microprocessor based 2 channel multifunctional PID Temperature / Humidity (RH) controller used for processes requiring simultaneous control of temperature and % RH using capacitor type transmitter as RH sensor.

- ✦ The controller provides independent control output in the form of DC pulses for external solid state relays to control air heater, compressor and boiler heater.
- ✦ Separate display for Temperature, Humidity Set point and process values & real time clock.
- ✦ Easy front panel keyboard programmable.
- ✦ **Humidity would be created by MIST System.**
- ✦ Capacity : 200 / 400 / 800 & 1000 Litres
- ✦ Temperature & RH configuration
 - ◆ 25°C / 60% RH.
 - ◆ 25°C / 40% RH.
 - ◆ 30°C / 65% RH.
 - ◆ 40°C / 75% RH.

- 40°C / 25% RH.

VISIT US : WWW.ESTEEM.IND.IN

PAYMENT TERMS :

PAYMENT TERMS COMMON FOR ALL THE ABOVE MENTIONED MODELS

PAYMENT TERMS :

Who are our Bankers and what are our Banking particulars?

Who are our Bankers and what are our Banking particulars?

Our Bankers are:

Union Bank Of India,
SCF-3, Sector 21-C, Chandigarh,
UT, INDIA.
SWIFT CODE: UBININBBCHA

Esteem Industries INC. A/C No.: 398905010050309

May you like to Transfer Payment (T/T) to us, then depending upon the currency of remittance kindly choose one of the following methods:

PAYMENT PROCEDURE FOR USD \$

PAYMENT PROCEDURE : For making SWIFT Transfer payment of US\$ _____, please give the following information to your bank:

Intermediary Banks:

1. Citibank. New York ,Swift code: CITIUS33
2. Bank of America. New York, Swift code: BOFAUS3N
3. Bank of New York. New York, Swift code: IRUTUS3N
4. Standard Chartered Bank. New York, Swift code: SCBLUS33
5. JP Morgan Chase Bank. New York, Swift code: CHASUS33
6. American Express Bank. New York, Swift code: AEIBUS33

Beneficiary Bank:

Union Bank Of India,
SCF-3, Sector 21-C, Chandigarh,
UT, INDIA.
Swift Code: UBININBBCHA
Beneficiary: Esteem Industries INC

Account No. 398905010050309

Bank charges (fees) would be shared by buyer. Please fax us a copy of Transfer advice so that we can track payment.

PAYMENT PROCEDURE FOR GBP £

PAYMENT PROCEDURE : For making payment of Sterling Pound £_____, please give the following information to your bank:

Intermediary Banks:

1. National Westminster Bank. London, Swift code: NWBKGB2L
2. HSBC London (Midlands), Swift code: MIDLGB22

Beneficiary Bank: Union Bank Of India,
SCF-3, Sector 21-C, Chandigarh,
UT, INDIA.

Swift Code: UBININBBCHA
Beneficiary: **Esteem Industries INC**

Account No. 398905010050309

Bank charges (fees) would be shared by buyer. Please fax us a copy of Transfer advice so that we can track payment.

PAYMENT PROCEDURE FOR EURO

PAYMENT PROCEDURE : For making payment of Euro_____, please give the following information to your bank:

Intermediary Bank:

1. Commorz Bank Dusseldorf Germany, Swift code: COBADEDD
2. Bank commercial Italiana, Swift code: BCITITMM
3. Societe Generale Paris, Swift code: SOGEFRPP
4. ABN Amro Bank. Amsterdam, Swift code: ABNANL2A

Beneficiary Bank: Union Bank Of India,
SCF-3, Sector 21-C, Chandigarh,
UT, INDIA.

Swift Code: UBININBBCHA
Beneficiary: **Esteem Industries INC**
Account No. 398905010050309

Bank charges (fees) would be shared by buyer. Please fax us a copy of Transfer advice so that we can track payment.

Note: Please make sure we are INFORMED before and after sending any payment to our Bank Account.

E-MAIL : INFO@ESTEEM.IND.IN

