

Environmental Chamber

NSW-178

ENVIRONMENTAL CHAMBER

APPLICATION

The purpose of stability testing is to provide evidence on how the quality of a drug substance or drug product varies with time under the influence of a variety of environmental factors such as temperature, humidity, and light, and to establish a re – test period for the drug substance or product under recommended storage conditions. Hence, Pharmaceutical Stability Chamber serves as an important quality attribute for the product.etc.

CALIBRATION / VALIDATION

- Temperature sensor probe calibration with traceability to ERTL
- Temperature controller calibration with traceability to ERTL

VALIDATION

- IQ, OQ, PQ and DQ documentation and protocols shall be provided with equipment.
- Documentation shall be given after supply & Installation.
- Performance Qualification with Temperature Mapping.
- The performance Validation Test consists of one cycle at any one temperature point for an 8 hour period.

USES:

- For drying environment of Plant and Animal Growth
- Investigation of vapor proofness of packed materials.
- Determination of di-electric strength, insulation tests of electrical components.
- To use as stability chamber in the pharmaceutical industries.

CONSTRUCTION

- Double walled construction
- Interior made of stainless steel 304 qlty.
- Exterior made of mild steel painted in epoxy powder coating
- Insulation of 63mm by puff.
- The door having window and rubber gasket with wiper

TEMPERATURE & HUMIDITY

- Temperature from 10°C to 60°C ± 2°C
- Humidity 55% to 95% ± 5%
- Controlled by an automatic Microporcessed Electronic Controller with digital display of temperature and humidity.
- Hermetically sealed Compressor (CFC Free) CFC free refrigerants.
- Two water tank of stainless steel 304 qlty.
- Humidity inside the chamber is created by natural mist through heat, vapors
- With suitable automatic voltage stabilizer.
- Extra water storage for the long life of heating element fitted in the water tank

SIZE INSIDE CHAMBER (STAINLESS STEEL 304 QLTY.)

| MODEL | SIZE (MM) | | | LTRS | RATING |
|-------|-----------|-----|-----|------|--------|
| | W | D | H | | |
| EC-1 | 455 | 455 | 710 | 147 | 4.0 KW |
| EC-2 | 605 | 605 | 605 | 225 | 4.0 KW |
| EC-3 | 605 | 605 | 910 | 335 | 5.0 KW |

OPTIONAL:

- LCD Touch Screen display graphical profile, HMI/ PLC Controller with PC interface and serial communication port (RS-232/485) to cost extra



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