

PSI-033 Humidity / Stability Chamber



Humidity Chamber



Stability Chamber

ICH GUIDELINES*

PSI chambers are specialized designed to carry out stability & shelf life test on drug & drugs substance according to ICH Guidelines.

Technical Specifications:

Temperature Range: 10.0°C to 60.0°C. Accuracy / Uniformity : $\pm 0.1^{\circ}\text{C}$ / $\pm 1.0^{\circ}\text{C}$

Humidity Range : 40% to 95% Rh. Accuracy / Uniformity $\pm 2\%\text{RH}$ / $\pm 3\%\text{RH}$

Temperature / Humidity Display : Digital LED 3 1/2 Digit, Resolution : 0.1°C / 1% RH

Control : Microprocessor based PID Control with auto tune CE Marked

Temperature Sensor : PT -100, RH Sensor : Direct Capacitance type.

Heating : 'U' Shaped Nichrome wire heater in SS Sheathing

Cooling : CFC Free Copeland compressor utilizing R 134A eco friendly refrigerant

Steam Injection : Boiler with reservoir made of thick stainless steel, with heater, water inlet control, low water level safeguard and insulation

Air circulation : Flange motor with impeller / Blower

CONSTRUCTION :

- Double Walled, gap between walls filled with PUF Insulation
- Standard Model : Stainless Steel Mirror Polished Chamber and heavy gauge powder – Coated CRC exterior.
- GMP model : Stainless steel mirror polished chamber and exterior of dull finish stainless steel.
- Double door : Inner full viewing door and outer door insulated with lock and key arrangement
- Control panel with electrical switch gear and refrigeration system (CFC Free) mounted on top for easy service accessibility.
- Unit mounted on castor wheels