



Stability Chamber - Humidity Chamber



SaiLab Equipment's Micro Controller Based **Stability Test Chamber** is designed as per ICH guidelines and is manufactured to comply with requirements in the industry standards. The equipment is Micro Controlled based and has a temperature indicator. It provides a stable temperature & humidity condition environment. Also has a capacity of 100-1000 litres and a humidity range of Humidity from 40% to 98%. The test chamber gives accurate information about the conditions that test subjects undergo for further development and testing.

KEY FEATURES

- Double walled Modular structure with 3" inch PuF installation.
- Inside stainless steel and outside Mild steel duly power coated or stainless steel.
- Interior illumination
- Handle and hinges for Positive Sealing with lock and key arrangement.
- Stainless steel tray with height adjustment.
- Validation port (65mm)
- Humidity system with evaporation. Tray and reservoir tank with water level arrangement
- Compressor with CFC free R134A / R404 (Eco friendly) refrigerant.
- Microprocessor Controller with 7" Colour touchscreen HMI.
- Safely Controller Sensor cut off the supply in case of overshoot and undershoot of temperature giving alarm.
- 230v AC Single phase 50Hz

OPTIONAL ACCESSORIES

- 21 CFR Part 11 Compliance software.
- Standby Refrigeration system with standby humidity system.
- Scanner 4 point temperature and 4 point humidity.
- Mobile alert system.
- Door access security system.

SPECIFICATIONS

- Standard Model : Inside SS 304 & Outside Mild steel Powder coated.
- GMP Model : Inside SS 304 & Outside SS304.
- Temperature Range : 22°C to 60°C.
- Temperature Accuracy : $\pm 0.5^{\circ}\text{C}$
- Temperature Uniformity : $\pm 2^{\circ}\text{C}$.
- Humidity Range : 40% to 95% RH
- Humidity Accuracy : $\pm 2\%$ RH
- Humidity Uniformity: $\pm 3\%$ RH



DOCUMENTATION

- Complete IQ, OQ, PQ documents.
- Operation and Maintenance manual
- Warranty Certificate

AVAILABLE CAPACITY



| Models | Capacity in Litre | Internal Size (H x W x D) in CMS | External Size (H x W x D) in CMS | No of Trays | Connected Load |
|------------|-------------------|----------------------------------|----------------------------------|-------------|----------------|
| SSC - 100 | 100 | 50 x 45 x 45 | 115 x 63 x 92 | 2 Nos | 2.25 KW |
| SSC - 150 | 150 | 50 x 40 x 75 | 63 x 105 x 135 | 2 Nos | 2.25 KW |
| SSC - 250 | 250 | 70 x 50 x 90 | 83 x 105 x 150 | 2 Nos | 2.25 KW |
| SSC - 400 | 400 | 70 x 50 x 115 | 83 x 125 x 175 | 3 Nos | 2.25 KW |
| SSC - 500 | 500 | 70 x 60 x 120 | 83 x 125 x 180 | 3 Nos | 2.25 KW |
| SSC - 600 | 600 | 70 x 60 x 145 | 83 x 125 x 205 | 3 Nos | 2.25 KW |
| SSC - 800 | 800 | 70 x 80 x 145 | 83 x 125 x 205 | 4 Nos | 2.5 KW |
| SSC - 1000 | 1000 | 83 x 83 x 145 | 96 x 148 x 205 | 4 Nos | 2.5 KW |

TECHNICAL SPECIFICATION

- Temperature Range : 22°C to 60°C.
- Temperature Accuracy : ± 2°C
- Uniformity : ± 1.0°C.
- Rel Humidity Range : ± 1.0 %
- Uniformity: ± 3%

STANDARD EQUIPMENT OPERATING CONDITION

- 22°C / 60 % RH
- 30°C / 65 % RH
- 30°C / 75 % RH
- 40°C / 75 % RH

LOW HUMIDITY OPERATING CONDITION

- 25°C / 40 % RH
- 30°C / 35 % RH
- 40°C / NMT 25 % RH



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Note: All Dimensions and Specifications are subject to change without prior notice.