



ICON INSTRUMENTS COMPANY

(Manufacturer of Laboratory Equipment)

IIC-107

HUMIDITY / STABILITY TEST CHAMBER

- Precise Hot Air & Humidity.
- Better Mineral / Puf Insulation Keep the surface Temperature comfortable & Avoid Heat & Humidity Loss.
- Silent Hot Air Blower, Unique design of Air Circulation & Humidity circulation & improved Temperature / Humidity distribution.
- Unique design of Ventilation.
- 304 grade of S. Steel interior Corrosion resistant long life operation.
- Kanthal A-1 Tubular heater is fitted for better circulation.
- Safety controller are provide with Digital Temp. Controller Cum Indicator.
- Kanthal A-1 steel Tubular heater is fitted in the steam Bath for long life & better result.
- Full feature with Temp. Controller i.e. Thermostat Bi-Metallic Capillary type for both Dry & Wet Temp. Control or Digital Temp. Controller Cum Indicator & Microprocessor Based PID Temp. Controller cum Indicator.
- Choose among the models with window front glass door or inner Perspex/ Acrylic sheet Door with full view to observe the Test process inside the chamber while keep Temperature uninterrupted.
- Angle Iron frame with castor wheel for easy movement (for Refrigerated model).
- Fitted with 02 Nos. Fan for cooling & heating (For Refrigerated Model).
- Filled with 02 Nos. Circulation motor for water injection in routine model inside the control unit & Chamber.
- Humidistat is placed inside the chamber to control requested humidity.
- Humidity can be controlled by Digital Temp. & Humidity (Both automatically on customer requirement).
- Wet Temp. is controlled by Bi-Metallic Thermostat Connected to Water Bath placed in the control unit having water level. (Nozzle for Water inlet & outlet & overflow).



Applications : Tissue Culture, Pharmaceuticals, Agriculture, Cable Industry, Paper, PVC & Cement Industries Electrical Industries

Only Heating (Ambient to 50 Deg C)

| Model | IIC 107 | IIC 107 A | IIC 107 B | IIC 107 C |
|------------------|-----------------|-----------------|-----------------|-----------------|
| Capacity (Liter) | 112 Ltrs. | 171 Ltrs. | 280 Ltrs. | 340 Ltrs. |
| Volume | 4 Cuft | 6 Cuft | 10 Cuft | 12 Cuft |
| Interior (mm) | 455 x 410 x 610 | 505 x 415 x 830 | 570 x 550 x 875 | 650 x 580 x 900 |

Technical Parameters :

- Temperature Ranges : Ambient to 50° C
- Temperature Stability : 1° C max
- Material : CRC/ Mild Steel Sheet Duly Powder Coated
- Power Consumption : 220/230 V AC ±10%, 50HZ single Phase
- Safety Function : Water Level or Low level cut off Alarm (On Demand)
- Interior : Stainless Steel 304 Grade
- Humidity Range : Ambient to 95%± 3%
- Optional : Digital Timer
- Precaution : Don't use the Instrument without Water

Both Cooling & Heating (10Deg C to 50 Deg C)

| Model | IIC 107-1 | IIC 107-1 A | IIC 107-1 B | IIC 107-1 C |
|------------------|-----------------|-----------------|-----------------|-----------------|
| Capacity (Liter) | 112 Ltrs. | 171 Ltrs. | 280 Ltrs. | 340 Ltrs. |
| Volume | 4 Cuft | 6 Cuft | 10 Cuft | 12 Cuft |
| Interior (mm) | 455 x 410 x 610 | 505 x 415 x 830 | 570 x 550 x 875 | 650 x 580 x 900 |

Technical Parameters :

- Temperature Range : 10° to 50°C / 0° to 50°C
- Temperature Stability : 1° C or Better
- Material : CRC/ Mild Steel Sheet Duly Powder Coated
- Power Consumption : 220/230 V AC +/- 10%, 50HZ single Phase
- Safety Function : Water Level or Low level cut off Alarm
- Interior : Stainless Steel 304 Grade
- Humidity Range : 55% to 95% +/- 3%
- Compressor : Kirloskar/Equivalent as per required Model
- Voltage Stabilizer : Automatic Inbuild Stabilizer (Optional)
- Refrigerated : R 134/22
- Optional : Digital Timer
- Precaution : Don't use the Instrument without Water



Works : Z-67, Okhla Industrial Area, Phase-II, New Delhi - 110020

Phone : +91-11-26383676 • **E-mail :** iconinstruments.india@gmail.com, sales@iconinstruments.co.in

Website: www.iconinstruments.co.in