



INCUBATOR

Incubators are sturdy, with double walled construction. Inner chamber made of Stainless Steel and outer chamber is made of mild steel duly powder coated. The gap between the walls is filled up with special grade glass wool for proper insulation to avoid heat losses.

Forced air circulation ensures good mixing, strong dispersion and maintains higher temperature uniformity inside the chamber.

Inner chamber has ribs for placing the shelves at convenient levels and supplied with 1 to 5 removable shelves. Door is fitted with heavy hinges with a ball catcher and has full view glass peeking window for inspection of sample. Door is duly insulated with glass wool. Validation port provided. Big size incubators are fitted with lockable castor wheels for ease of movement.



Heating Element :-

Air type heating elements are used for quick heating of chamber and motor blower assembly helps in maintaining uniform temperature all over the work space by forced air convection.

Temperature Control :-

Microprocessor based Digital PID temperature indicator cum controller with inbuilt timer

Dual LED display for set value and process value

PT 100 temp sensor

Sensitivity of temp sensor is 0.1°C.

Temp accuracy of incubator is ±0.5°C

Temp uniformity of incubator is ±1°C

Over temp safety cut off using thermostat

Control Panel :-

It comprises of switch to ON/OFF the power, PID temp controller, indicators for line and load, cord and plug. It works on single phase 230V AC, 50 Hz power supply

SPECIFICATIONS

| Model | Size (Inches) | Capacity | Temperature range | Tray |
|---------------|---------------|------------|------------------------|------|
| SAII INC-110 | 12 x 12 x 12 | 28 Liters | Ambient +5°C to +100°C | 1 |
| SAII INC-120 | 14 x 14 x 14 | 45Liters | Ambient +5°C to +100°C | 1 |
| SAII INC-130 | 18 x 18 x 18 | 95 Liters | Ambient +5°C to +100°C | 2 |
| SAII INC -140 | 18 x 18 x 24 | 125 Liters | Ambient +5°C to +100°C | 2 |
| SAII INC -150 | 24 x 24 x 24 | 225 Liters | Ambient +5°C to +100°C | 2 |
| SAII INC -160 | 24 x 24 x 36 | 340 Liters | Ambient +5°C to +100°C | 3 |
| SAII INC -170 | 24 x 24 x 48 | 450 Liters | Ambient +5°C to +100°C | 4 |
| SAII INC -180 | 24 x 24 x 60 | 565 Liters | Ambient +5°C to +100°C | 5 |
| SAII-INC-190 | 36 x 36 x 36 | 760 Liters | Ambient +5°C to +100°C | 3 |
| SAII-INC-200 | 30 x 30 x 60 | 885 Liters | Ambient +5°C to +100°C | 5 |



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OPTIONAL ITEMS :

- PLC controller with touch screen colour display HMI of 4.7" to 7"
- MOC Outer body SS 304 and inner SS 316 for GMP models
- Audio visual temp deviation alarm
- Audio visual power failure alarm and door open alarm
- Validation – IQ, PQ & OQ documents
- PID temp controller with 21 CFR Part 11 compliant software for electronic records and audit trail

NOTE: CUSTOMIZED SOLUTION ALSO AVAILABLE ON REQUEST



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