

Spire Automation & Innovation, India.

*Inspiring Generations...*

## INCUBATOR

Our Incubator is perfect utility for environmental study and growth chamber. Our incubator is just apt for general use like preservation of vaccines, insulin, lever extracts, chemicals etc.

To give it longer life and maintain its effectiveness, our Incubator is anodized from inside on all three walls while Aluminium/Stainless Steel from outside and fitted with air circulated fans that maintain the overall temperature of the chamber. Our incubator comes with full view inner glass door fitted with magnetic gasket that gives you freedom to monitor and inspect your samples without changing the temperature of the cabinet.



Standard version of Incubator comes with a temperature range of Ambient +5°C to 100°C with an accuracy of  $\pm 1^\circ\text{C}$ . At SAI, we also address to every specific need of our individual clients and this is the reason you get fully customized incubator to suit your specific needs. We also provide customized incubator with different temperature range than of our standard version. Temperature sensitivity of our incubator is  $\pm 0.5^\circ\text{C}$ .

### ***SALIENT FEATURES***

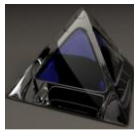
- Double walled construction
- Inner chamber made of SS & outer chamber made of MS duly powder coated/aluminium
- Designed air flow system ensuring uniform temperature distribution
- Capillary type thermostat to control temperature. Temperature control knob is graduated in centigrade degrees.
- Door having glass peeking window which allows inspection of sample without disturbing temperature of cabinet.
- Works on 230 V AC single phase

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- Safety Features:
  - Over temperature protection.
  - Over current protection.
  - High tempered safety glass of 5mm.

## **SPECIFICATIONS**

<b>Model</b>	<b>Size (Inches)</b>	<b>Capacity</b>	<b>Temperature range</b>	<b>Tray</b>
<b>SAII INC-110</b>	12 x 12 x 12	28 Liters	Ambient +5°C to +100°C	1
<b>SAII INC-120</b>	14 x 14 x 14	45Liters	Ambient +5°C to +100°C	2
<b>SAII INC-130</b>	18 x 18 x 18	96 Liters	Ambient +5°C to +100°C	2
<b>SAII INC -140</b>	18 x 18 x 24	127 Liters	Ambient +5°C to +100°C	2
<b>SAII INC -150</b>	24 x 24 x 24	227 Liters	Ambient +5°C to +100°C	2
<b>SAII INC -160</b>	18 x 24 x 36	255 Liters	Ambient +5°C to +100°C	3
<b>SAII-INC-170</b>	36 x 36 x 36	764 Liters	Ambient +5°C to +100°C	4

### **Optional:**

- Digital PID temperature indicator cum controller
- Digital PID temperature indicator cum controller with inbuilt Timer  
Timer - Once the unit is switched 'ON' heating starts automatically and once the set/desired value is achieved the in-built AUTOMATIC DIGITAL MINUTE TIMER starts automatically. Once this set time period is over the heaters are switched OFF.
- Buzzer- sound buzzer to indicate user that process is complete
- Adjustable alarm limits (only with PID controller)
- **PLC control system-** PLC control system ensures a complete automatic operations along with high efficiency and great reliability. The computerized logic control system ensures a 100% automatic operation throughout the cycle. The main parameters of the process such as temperature, time are controlled and displayed on LCD panel during entire cycle process. Keyboard / touch screen setup is provided to user to choose the desired program, initiate and terminate the cycle.
- Data acquisition by RS 232 communication port along with software to interface equipment directly to PC

**NOTE: CUSTOMIZED SOLUTION ALSO AVAILABLE ON REQUEST**