**SPECIFICATIONS OF GREENDISPO MIDI , SANITARY NAPKIN INCINERATOR**

Sanitary Napkin Incinerator  Jointly  developed and Patented by, CSIR- NEERI Nagpur & DST - ARCI - Hyderabad , and the industrial partner   M/s Sowbal Aerothermics to control emissions  and improve energy efficiency .

Joint IP Appl No: 201821021430

     These incinerators  are “ **ECO - FRIENDLY** “ adhering to emission norms laid out by CPCB

1. **Peak ignition temperature of 800°C Is achieved during burning**

1. 50 mg  ash as residue **per pad**

1. Connected heater load is 1250 Watts  of power with Auto cutoff

1. Improved  insulation methods for minimum outer body temperature

1. **Triple Walled Construction to improve energy efficiency and assist in secondary combustion**

1. **Unique design to include secondary Combustion operation to minimize Dioxins and Furans**

1. **CSIR -NEERI & DST ARCI with Industrial Partner Sowbal Aerothermic’s Contribution to improve the**

**livesof Women and Girls in the country.**

1. **NEERI  TESTED  and also NIIST tested for Dioxins and Furans**

1. **304 Stainless Steel inner body and  powder coated external MS  body**

**10 Compact , and beautifully painted for convenience and Aesthetics**

**11 Multiple and Repeated tests done at CSIR –NEERI to confirm the emission values**

**System Specifications**

**Green DispoMidi :**

Advanced engineered product to incinerate used sanitary pads. GreenDispo midi incinerates3 used pads for every 5 min . The outer body temperature is ambient + 15 degrees .A safe electrical heating unit with time controlled operation. A 10 feet flexible aluminium pipe for fume escape is provided.

|  |  |  |
| --- | --- | --- |
| **Specifications** | **Green Dispo Midi** | **C:\Users\lenovo\Desktop\GREENDISPO IMAGE.jpg** |
| **Incineration Time**  |  3 pads for every 5 min |
| **Per hr count** | 30 -36 pads per hour |
| **Operational Method** | 15 min operation  |
| **Ash per pad**  | 50 mg |
| **Dimensions**  | **Round Model** **360 mm Diameter****450 mm Height** |
| **Weight** | 13 Kgs |
| **Design of construction** | **Triple walled** |
| **Outer Shell** | MS 1 mm thick duly powder quoted |
| **Inner combustion chamber**  | SS 304 , 1mm thickness |
| **Central wall** | SS 304 , 0.5 mm thickness |
| **Insulation**  | **25mm high temperature ceramic fiber blanket - for sides****50 mm on the top surface** |
| **Exhaust**  | 1 ft long MS pipe with safety cover and 10 ft aluminium flexible extendable exhaust pipe  |
| **Electricity consumption** | 1250 ( 1.25 KW ) Watts per hr |
| **Peak Burning Temperature**  | **800°C +** |
| **Installation location**  | Wash room - Wall Mountable  |
| **Secondary Combustion**  | **Inbuilt provision – As per patent Application** |  |
| **Heater Control** | TIMER – Auto Cutoff |  |
| **Safety**  | Electrical Safety - MCB |  |
| **Thermal Safety** | **Safety Cover for Exhaust Pipe for user safety** |  |
| **Emission Test done by** | **1) CSIR –NEERI- Nagpur****2) CSIT – NIIST - Thiruvananthapuram** |  |
|  |  |  |