

'The Sirocco' - green heat burner

*INCINER8's first waste thermal treatment system
that requires no fossil fuels for operation*



*Easy to use
Low operational costs
100% portable
High efficiency
After burner effect
Low emissions*



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'The Sirocco' - green heat burner

Newest Inciner8 development is this revolutionary and much desired product to the market. 'The Sirocco' supports the requirements of destroying waste at source, removing the risk of onward contamination both efficiently and safely.

To use 'The Sirocco' simply load the drum, light the waste and clamp down the lid and walk away. A cyclonic effect is created by the fan blowing into the drum creating a high temperature burn rate with the added benefit of no smoke or smell. And with no fuel added the operational cost is extremely low.

The efficiency of the Sirocco reduces the waste to 3% of the initial volume and has been manufactured to ensure that ashes can be removed in the quickest time possible (free ash removal rake included).

Typical uses:

- Temporary camps
- Disaster areas
- Camp sites for leisure purpose
- Destroying of Drugs.
- Contaminated waste.
- General waste
- Medical waste



| Fuel | Waste only |
|----------------------------------|-----------------------------|
| Chamber volume(m3) | 0,2 |
| Average batch size (kg) | 5 - 10 |
| Burn rate (kg/hour) | 8 - 15 |
| Electricity consumption (Kw/h) | 0,26 |
| Incineration temperature (deg C) | 600 - 1100 |
| Secondary chamber | Afterburn effect in the hat |
| Average ash residue (%) | 3 - 5 |

'The Sirocco' - how it works

Air is injected into the system at a very precise angle in order to create a vortex circulation through the chamber, thus supporting combustion and ensuring maximum burn out.

Most of the waste will be incinerated due to excess oxygen levels and will burn at high temperatures, while some will be gassified, creating a combustible product of gassification that will burn inside the barrel, this is also supported by the vortex air stream.

This design feature allows a secondary burn effect, without the use of an actual burner. Exhaust gasses are forced to pass through the barrel section, where the by product of gassification is incinerated, providing a high temperature environment for the destruction of emissions.

The stainless steel durable mesh prevents sparks and fly ash. Air blowers are used to provide a steady and strong air stream through the whole process.

