

# Smart Ash

CYCLONIC BARREL BURNER®

Over 3,000 in use  
around the world



**This Multipurpose  
Incinerator is used for:**

- Remote Locations
- Mining Camps
- Job Sites
- Oil Drilling Operations
- Truck Stops
- Construction Sites
- Islands
- Barges
- Campsites
- Military Installations

✓ **EPA Approved for  
Small Batch Incineration**

**ELASTEC**   
**AmericanMarine** INC.  
Manufacturing Environmental Products  
[www.smallincinerators.com](http://www.smallincinerators.com)





# Smart Ash

CYCLONIC BARREL BURNER®

The air powered Smart Ash uses no external fuel. Simply load a 55 gallon (208L), open head steel drum, light the load and clamp on the lid. A whirlwind of fire and intense heat is created inside the drum, burning your refuse with no smoke and no smell. Thousands of satisfied customers are currently using Smart Ash around the world to eliminate a wide variety of burnable waste materials. Combustion is complete, leaving ash equal to 3% by volume of the original load.

## Smart Ash Burns:

- Oil Soaked Absorbent Materials
- Used Filters
- Waste Oil
- Paper Waste
- Wood By-Products
- Oily Rags, Gloves, Clothes
- Grease
- Domestic Waste

## SPECIFICATIONS

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Construction</b>      | Stainless Steel Lid, Painted tubular Steel Frame, 2-Blowers, Axial Vane 120V standard or 220V optional |
| <b>Requirements</b>      | 55 Gallon (208L) Steel Open Head Drum                                                                  |
| <b>Weight</b>            | 96 lbs. (44 kg) Without Drum, 139 lbs. (63 kg) With Drum                                               |
| <b>Height</b>            | 46" tall, (116 cm)                                                                                     |
| <b>Floor Space</b>       | (With Drum) 36" x 26" (91 x 66 cm)                                                                     |
| <b>Average Burn Rate</b> | 50 lbs./HR (22 kg./HR)                                                                                 |
| <b>Requirements</b>      |                                                                                                        |
| <b>Electrical</b>        | 120volt or 220volt                                                                                     |
| <b>Location</b>          | Exterior                                                                                               |

**Air pollution tests:** Smart Ash has been tested following EPA testing formats. Federal EPA publication (Federal Register 40 CFR part 60) exempts Cyclonic Barrel Burner from State Emission Plans.

**Emission test data available upon request.**



**1** LOAD DRUM



**2** ATTACH AIR HOSE – REST LID ON DRUM



**3** IGNITE LOAD - TURN ON MINIMUM AIR



**4** CLOSE & CLAMP LID



**5** INCREASE AIR SUPPLY SLOWLY  
FIRE WILL BURN CLEAN



**6** WASTE IS REDUCED TO 3% ASHES  
BY VOLUME

Ask for our instructional video, CD or DVD on the operation of the Smart Ash Multipurpose Incinerator.

# Oil Away Attachment

## An accessory for waste oil disposal and general incineration

The Oil Away Attachment is an accessory for the Smart Ash Incinerator. The Oil Away System injects waste oil into a burning Smart Ash and can be used for "wet" loads typically not burnable in the Smart Ash because the waste stream has high moisture content. **Designed for loads with moisture contents above 15%**, a Smart Ash with the Oil Away Attachment significantly increases the types of refuse and waste materials that can be burned. Waste oil is eliminated at rates up to 6 gallons (23 L) per hour.

### Smart Ash with the Oil Away Attachment can burn:

- Waste Oil for Disposal
- Restaurant Waste
- Organic Materials
- Oily Rags, Gloves, Clothes
- Paper Waste
- Absorbent Materials
- Filters
- Wood By-Products
- General Non-Hazardous Waste

### Oil Away Attachment includes:

- Metered pump (3-6 gallons per hour) (11 - 23 Liters/Hr)
- Hose to Riser
- Riser inside drum
- Nozzle
- Fittings and attachments

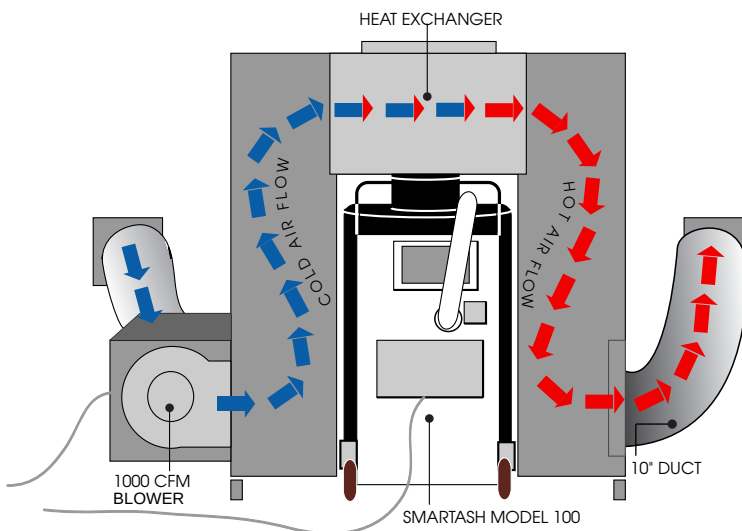


## SmartHeat

ENERGY RECOVERY FURNACE

### Smart Heat is used in conjunction with Smart Ash or Smart Ash with the Oil Away Attachment installed.

Smart Heat is easy to operate. Load the Smart Ash, light load and when positioned under Smart Heat's heat exchanger, switch on Smart Heat's 1000 cfm blower. Heat from the Smart Ash warms the air flowing through the heat exchanger and returns air to the facility. Smart Heat burns on site materials and generates free heat for buildings, a smart solution for the disposal of oily absorbents, rags and filters.



*Located outside the facility, Smart Heat pulls cool air from inside the building and circulates heated air back into the building.*

#### SPECIFICATIONS

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| <b>Construction</b>   | Heat exchanger, heavy duty steel with heat resistant coatings  |
| <b>Weight</b>         | 420 lbs. (191 kg)                                              |
| <b>Dimensions</b>     | 67" tall, 60" long, 37" wide (170 cm x 152 cm X 94 cm)         |
| <b>Fuel source</b>    | Oily waste                                                     |
| <b>Fuel Container</b> | Smart Ash Model 100 (55 gallon (208L) steel drum not included) |
| <b>REQUIREMENTS</b>   |                                                                |
| <b>Electrical</b>     | Two, 120volt outlets or 220volt optional                       |
| <b>Location</b>       | Exterior                                                       |



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## Smart Ash success stories

Our Smart Ash portable incinerators have had fantastic success around the world. Customers have written telling us how great a job the Smart Ash does for them.

We are from the USCG Aids to Navigation Team and we would like to say that your Smart Ash is an excellent product. I suggested that we should have one due to our excess of waste products from the lighthouses. We now have two Smart Ash burners and we use them for all the trash that is included in the regulations.

**EM3 Richard Hoyt**

Wow!

Our company purchased an Elastec Incinerator and we are very pleased with the performance of the unit.

Management is quite satisfied with the results because it saves us disposal costs and leaves very little ash. It is a very good unit.

**Rodrigo Bustamante – Maintenance Engineer Puerto Ventanas S.A.**

Fantastic!

We work at a remote Hydraulic Generating Station in Northern Manitoba. As part of an Environmental Management System initiative plan to minimize the effects of our waste stream, we bought a Smart Ash burner. It has proven itself beyond a doubt. It reduces piles of greasy oily rags to mere cups of ash with no smoke and the residue is harmless. I would recommend this product to anyone.

**Don – Manitoba Hydro**

Great

The Smart Ash is a great product. It is very efficient and fast. Nothing is left but the metal part of the oil filters and a small amount of ash. We are very pleased with it.

**Mickey – Mississippi River Transporters**



Canada



Libya



Russia



Nigeria



Tibet (China)

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