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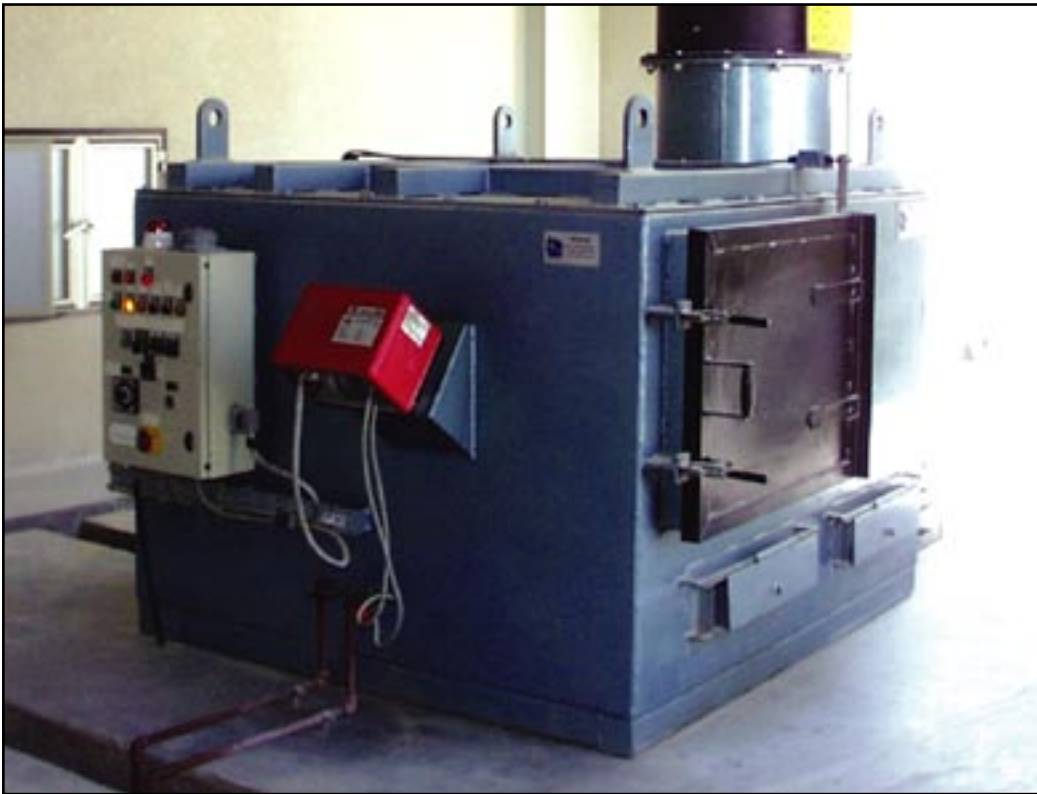
International Limited
Combustion Engineering for the 21st Century

BP RANGE

Multi Waste Incinerators

Triple Chamber Design - 50 & 100 Kg/hr

BS3316 Design



Model BP100 Incinerator

British Design & Manufacture

Simplicity of Operation

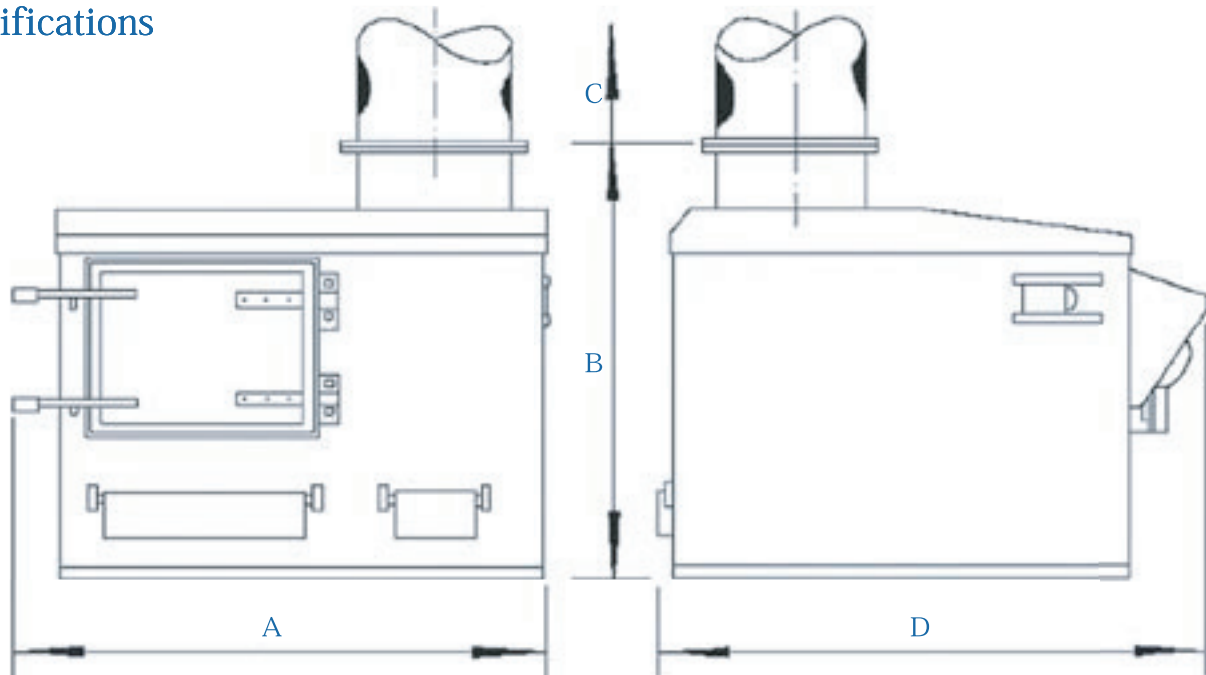
Proven Technology

Compact & Robust Construction

TM



Specifications



Model	Throughput (kg/hr)	Dimensions (mm)				Door Aperture (mm)	Weight (kg)	Flue Diameter (mm)
		A	B	C	D			
BP50	50	1930	1500	6000	1950	710 x 500	4750	450
BP100	100	2080	1700	6000	2110	710 x 535	5000	535

Throughput figures are based on an average waste calorific value of 10-12Mj/kg. Certain materials such as synthetic fibres, plastics and compacted waste will reduce the burning rate, please ask for details.

Design

The BP Range is designed for the disposal of Type 1, Type 2, Type 3 and Type 4 wastes.

The design provides for a large size door for the easy loading of bulky items directly into the large combustion chamber. Primary combustion takes place at very high temperatures encouraging the reduction of combustion wastes to a fine ash, the triple chamber retort design provides the dwell time and turbulence needed to promote the efficient burning of suspended particulate.

Type 1 may consist of Trash / Rubbish, including combustible wastes such as paper, cardboard, rags, wood scraps and floor sweepings from commercial and industrial sources.

Type 2 may consist of Type 1 waste mixed with wet vegetable and meat wastes.

Type 3 may consist of garbage, such as animal & vegetable wastes. From cafes, restaurants, hotels, markets or holiday camps.

Type 4 consisting of medical waste may be disposed of using the BP Range depending upon legislation in the country of installation. This is designed to be a smokeless operation.

Construction

The heavy duty triple chamber incinerator is constructed of welded rectangular hollow section framework and mild steel plate casing. A high grade castable refractory concrete in 4" modular block form is lined throughout the casing. A heavy insulation is used between the refractory concrete chambers and the outer case. Embodying 127 mm deep high duty cast iron fire bars in the primary chamber.

Burners

Each incinerator is provided with an after burner for the cleaning of exhaust gases. Each unit can also be supplied with a primary burner for assisted burning of difficult wastes as Type 3. For readily combustible combinations of Type 1 & 2 wastes, assisted primary burning may not be needed. Burners are available for operation with either oil or gas.

Fuel

Oil: 35 Sec - Redwood No 1
 Gas: Natural / Propane at 8/14 ins WG Respectively.
 Electrical: 220/240 V, 50 Hz, Single Phase

Applications

Depending upon local environmental standards, the BP can be used for the disposal of a wide variety of waste types such as: vegetable, general rubbish, sewage screenings and medical waste.

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