

Technical Specifications

A PYROLYTIC INCINERATOR

1	Brand, Type & Model	Thermax Make Controlled air incinerator (Model-PY75 (Modified))
2	Design Standard	Generally Confirming to BS 3316/USEPA Stds.
3	Type of waste	Paint
4	Burning Capacity	15 kgs / hr
5	Auxiliary Fuel	LDO / HSD = 5% SAE 40
6	Type of Burning Operation	Automatic
7	Operating Hours	(Total Qty + Capacity / hr) + 1 1/2 hrs for preheating and cooling down of furnace
8	Temperature	
	-Primary Chamber	800 °C
	-Secondary chamber	1050 °C
9	Residence time of gases in secondary chamber	1.26 SEC. AT 1050 °C
10	Particulate omissions	100 mg / Nm ³
11	Total Electrical Load	3kw

B PRIMARY CHAMBER

1	Type	Static
2	Material & Thikness	IS 226 Plate 5mm thick
3	Volume	1.5 m ³
4	Refractory Thickness	115 mm
5	Material	Refractory Bricks (IS-8 and IS-6)
6	Temp. Resistance	1450 °C
7	Insulation Thickness	115 mm
8	Material	Insulation Bricks (IS-2042)

C SECONDARY CHAMBER

1	Type	Static
2	Material & Thikness	IS 226 Plate 5mm thick
3	Volume	0.86 m ³
4	Refractory & Insulation Matl's Thickness	As per Primary Chamber

D BURNER

1	No of Burner	1 each for primary and secondary chamber
2	Type	Monoblock pressure atomised oil fired
3	Model	M 1-34.5 / 2.5 GPM
4	Motor	0.5 HP

E COMBINED COMBUSTION AND EDUCATOR AIR FAN

1	Make & Type	Thermax Centrifugal forced draft
2	Capacity	2100 m ³ / hrs at 100mm WG
3	Modulation	Manual Damper Control
4	Motor	2 HP

F ELECTRICAL CONTROLS

1	Type	Digital Control Panel
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Note:-

- Unit is painted externally with heat resistant aluminium paint.
- Control panel will be painted with synthetic enamel paint.
- Month & Year of Commisioning : Aug 1999.**