

Spesifikasi Mesin Insinerator Kapasitas 20 Kg/jam

 Centra Rekayasa Enviro		TECHNICAL SPESIFICATION
		STATIC INCINERATOR 20 kg/Hour
GENERAL SPECIFICATION		
WASTE DESCRIPTION		Pharmaceutical Waste
CAPACITY		20 kg solid Waste per hour
OPERATION TIME		8 hours per day
VOLUME	-1 st Chamber	0.46 m ³
	-2 nd Chamber	0.62 m ³
INCINERATOR TYPE		Static Multiple Chamber Incinerator
GAS FLOW SYSTEM		Inline system
TEMPERATURE OF CHAMBER	-1 st Chamber	600 - 800 °C
	-2 nd Chamber	850°C - 1200°C
PRESSURE OF CHAMBER		Negative (below atmospheric pressure)
GAS RETENTION TIME		>2 seconds
ASH PERCENTAGES		± 5- 10%-weight
QUALITY OF EMISSION	Would be in accordance with prevailing government regulation PERMEN LHK NO 22 TAHUN 2021	CO ≤ 100 ppm NO _x ≤ 300 ppm SO ₂ ≤ 250 ppm Opacity ≤ 10%
SOLID WASTE FEEDING SYSTEM		Manual Feeding
ASH DISCHARGING SYSTEM		Manual Dischagre
FUEL REQUIREMENT		Light Oil
POWER REQUIREMENT		Generator Max 5 KW, 1 ph, 220 V, 50 Hz
AREA REQUIREMENT		2 x 5 M
OPERATOR		2 persons

EQUIPMENT & MATERIAL SPECIFICATION		
1. FIRST CHAMBER		
MATERIAL	- Shell Plate - Structure Profile - Refractory - Insulator - Coating	- A 36 Ship plate 3 mm Mild steel - UNP Mild Steel SS 400 - Insulating Fire Bricks, Insulating Castable, Firebrick SK 36 - Calcium Silicate, Rockwool, Ceramix Fiber - Upoxy resins
2. SECOND CHAMBER (RECOMBUSTION CHAMBER)		
MATERIAL	- Shell Plate - Structure Profile - Refractory - Insulator - Coating	- A 36 Ship plate 3 mm Mild steel - UNP Mild Steel SS 400 - Insulating Fire Bricks, Insulating Castable, Firebrick SK 36 - Calcium Silicate, Rockwool, Ceramix Fiber - Upoxy resins
3. EXHAUST STACK		
Main Stack	Material Diameter Height QTY Approximately Height From Ground	SS-304 Plate 3 mm Ø 250 mm 2 m (each stack) 5 Unit 14 m
4. SUPPLEMENTARY FUEL SYSTEM		
1ST CHAMBER BURNER	-Type -Capacity	- Light Oil Burner Gun Type - Max. 17 kg/hr

	-Electric Motor -Quantity	- 0.18 kW, 1~, 220 V, 50 Hz - 1 unit
2ND CHAMBER BURNER	-Type -Capacity -Electric Motor -Quantity	- Light Oil Burner Gun Type - Max. 17 kg/hr - 0.18 kW, 1~, 220 V, 50 Hz - 1 unit
5. AIR SUPPLY SYSTEM		
1ST CHAMBER BLOWER	-Type -Capacity -Electric Motor -Quantity	- Centrifugal (Sirocco fan) - Max. 2500 cmh - 1.1KW, 220V, 50 Hz - 1 unit
6. CONTROL SYSTEM		
PANEL CONTROL	Manual control Include: • Include Phase Protector Relay • Include Miniature Circuit Breaker • Include Relay and Contactor	- on/off - relay 250 VAC 3A SPDT - each 1 unit
7. AIR POLLUTION CONTROL		
Water Scrubber	- Material - Diameter - Height	Stainless Steel 0.5 m 0.8 m