

ESI/Scholer 4 – 120/200 (Kg/Hr) Incinerator Data Sheet

Incinerator Overall Size.....	4.2m L x 1.8m W x 1.97m H
Minimum Recommended Slab size for Incinerator	7 metres x 4 metres
Primary Chamber Capacity	4.0 M3 .
Internal Size...	2.55m Long x 1.85m H x 1.5m Dia
Secondary Chamber capacity.....	2.0 M3
Internal Size...	1.25m High x 1.5m Diameter
Primary Chamber temperature.....	350°- 800° C.
Secondary Chamber temperature.....	750°-1200° C.
Gas residence time in Sec. Combustion Chamber	1.5 / 2 second.
Incinerator design principle.....	Semi Pyrolysis/Controlled Air
External construction.....	Treated Steel with S/Steel Anchors welded to the inside casing to anchor both the Insulation & Refractory material.
Internal construction.....	50mm Ceramic Fibre Insulation 100mm Castable Refractory/S/S needles
Surface Treatment (high temperature)	Sandblast, Primer, Silicone paint finish
Primary Chamber combustion air injection.....	Under-fire.
Automatic Primary Burner type.....	Hi/Low//Off control.
Automatic Secondary Burner type.....	Hi/Low/Off control.
Primary and Secondary Chamber controllers.....	Inbuilt thermocouples.
Operation control.....	PLC
Extreme Primary Combustion Temperature Control	Primary Burner shutdown. & water Spray fogging nozzle.
Combustion Principle.....	Semi Pyrolysis/Controlled Air
Internal pressure during operation.....	Negative constant .
End of operation shutdown process.....	Automatic time sequencing
Fuel usage.....	20 Ltr/Hr depending on calorific value and water content in waste.
Power Supply (Single or 3 Phase).....	415V 8 Amp, 230/240V 10 Amp.
Power usage.....	4 kW / hour.
Flue stack details.....	304 S/Steel, 6.0m H with Rain Cowl.
Remote Access for Commissioning, Training & Ongoing Service.	Yes. All available.
Origin of technology design.....	Australia
Warranty.....	12-months conditional