ESI/Scholer 1 – 30/50 (kg/hr) Incinerator Data Sheet

Incinerator Overall Size…….. 3.0m L x 1.2m Dia x 1.7m H

Minimum Recommended Slab size for Incinerator 5 metres x 3 metres

Primary Chamber Capacity …… 1.00 M3 .
Internal Size… 1.4m Long x 0.95m Diameter

Secondary Chamber capacity…… 0.50 M3
Internal Size… 0.71m High x 0.95m Diameter

Primary Chamber temperature…… 350º- 800º C.

Secondary Chamber temperature…… …750º-1200º 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
75mm 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 and 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…… 5 -15 Ltr/Hr depending on calorific value and water content in waste.

Power Supply (Single or 3 Phase)…… 230V,8 amp or 415V,5 Amps

Power usage…… 3 kW / hour.

Flue stack details…… 304 S/Steel, 4.0m H x 180mm Dia.

Remote Access for Commissioning, Training & Ongoing Service. Yes! All available.

Origin of technology design…… Australia

Warranty…… 12-months conditional