

# Atlantis



LUCROS  
EVAPORATION SYSTEMS



# Atlantis



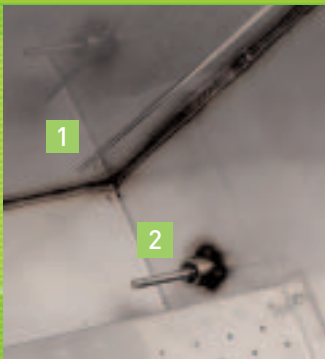
## Construction

The Lucros Atlantis Evaporation System is manufactured with 304 Stainless steel brushed exterior and 316 Stainless Steel for the inner tank. Both are mig welded for strength and rigidity. The Atlantis model also has a 316 Stainless Steel plate covering and protecting the heater elements. A stainless steel fan and stack are also fitted as standard.

## Operation

Operating the Atlantis unit is a very simple process. After filling the tank to the maximum fill level, push the start button on the control panel to begin heating the wastewater. After two hours the extraction fan will automatically start to draw the steam generated through the exhaust stack.

A unique design feature of the Atlantis is the ability to use 50% less energy than usually required for this type of installation. This is due to the temperature of the wastewater constantly being regulated by a PID controller (proportional/integral/derivative action), which intermittently pulses power to the elements to maintain maximum evaporation rates.



## Safety Features

The Atlantis has two safety shutdown systems as standard to ensure safe operation. A low level resistance probe (1) automatically switches the unit off once the fluid falls below a designated height.

The secondary shutdown feature is a thermostat sensor probe (2) that continually measures the temperature of the fluid to ensure it does not exceed 100°C.

## Technical Specification

### Power Supply:

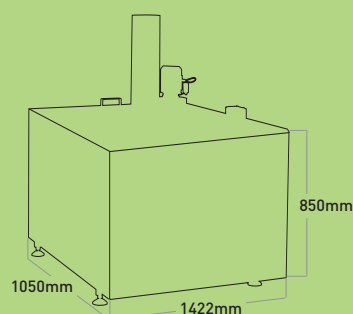
415 Volt, 3 Phase, 40 amp

### Heating Elements:

3 x 7.2kW SS

### Minimum Evaporation Rate:

50 litres per hour



## Design

The Atlantis evaporator is a low level design with a cover capable of opening to 90 degrees. This enables easy access with minimal maintenance time required to clean out waste sludge and oil residue from the system after use.

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