Horizontally arranged boiler - Manual Discharging

The Physical concept of evaporation is always that of a vacuum heat-pump.  This type of evaporator makes it possible to arrive at very high concentrations.  Discharge of the concentrate is by hand.  The evaporator consists of a boiler arranged horizontally and equipped with an outer shell to allow for heat exchange.

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Production capacity of distillate: from 200 to 1,000 liters in 24 hours or about 50 to 265 US gallons

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Power Supply: electric or alternative energy source

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Limit of concentration: concentrated discharge as wet sediment or crystals, at the suction capacity limit of traditional pumps.

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 Energy cost: one third more than that of the evaporator with sub-merged coil

## MOVE MOUSE OVER TABLE FOR METRIC FIGURES

| MODEL ES | GAL/H | MAX POWER OF THE ENGINES (Kw) | POWER ADSORBED | SIZE (AF (L * D * H) |
|---|---|---|---|---|
| 100 | 1.1 | 3.0 | 2.8 | 47 x 35 |
| 250 | 2.75 | 5.5 | 4.0 | 67 x 45 |
| 350 | 3.8 | 7 | 6.7 | 59 x 49 x |
| 500 | 5.4 | 8 | 7.4 | 59 x 63 x |
| 750 | 8.25 | 13 | 12.4 | 1700 x 17 |
| 1000 | 11 | 15.5 | 14.3 | 78 x 78 |

# Process Diagram Available Upon Request

Click here to request the diagram for this machine