

SOUTHLAKE CORP

LDA-1 LIQUID DISPENSING UNIT

SPECIFICATION

Dated 8/5/2000

General description

Page 1 of 1

The LDU-1 Liquid Dispensing Unit is designed to automatically dispense a controlled amount of liquid proportional to machine speed onto the moving paper on a cigarette making machine, the liquid/flavour may be a liquid @ ambient temperature, or a solid that becomes liquid at temperatures below 100⁰C

- Reservoir Tank -** Constructed from high quality aluminium with built in melt chamber (when used for heated flavours) & flavour filters.
- Micro Pump -** All stainless steel construction leak-proof, positive displacement micro pump with magnetic coupling to eliminate dynamic seals.
- Pump Motor –** High torque micro-step brush less motor with magnetic drive coupling.
- Fluid Hose -** Flexible or semi-rigid hose (heated if required)
- Applicator -** Pneumatically operated applicator head (heated if required) interchangeable nozzles for various line patterns. Fitted with bleed valve.
- Control Unit -** Latest technology microprocessor control system responsible for: -
Flow control calculations; pump & output control drivers; Temperature control of all zones;
LCD display & function buttons including calibration facility.
- Flow -** 150 Grams/Min (12.5mg/cig @ 12,000 CPM
Resolution - +- 0.01 mg/Cig
Tank Capacity - Standard 30 Ltrs – Usable (larger versions & pre-melt units can be accommodated)
- CE Compliance: -** The above machine will comply with all current European Machinery Standards and will be “CE marked” with Certificates Of Incorporation.

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