

# ALADDIN AL1000-220 Programmable Syringe Pump



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The Aladdin AL1000-220 Programmable Syringe Pump is designed as a low cost, single syringe infusion pump capable of low to moderate back pressures.

The pump can hold syringes up to 60ml and will accept syringes from Becton Dickinson, Monoject, Terumo, and Air-Tite.



## Suitable applications

The pump is suitable for producing a steady flow with most fluids at ambient temperature. It is designed for a batch size up to 60 ml. The unit is suitable to run sterile batches, for example, for living cells, when using sterile syringes and tubing.

The pump is not recommended for fluids containing fast sedimentary particles.

## Advantage:

Vast range of flow-rates.

## Nisco Applications

The unit is used for **VARJ1** and **VARJ30** single nozzle vibrating **VARD2Go** units with the nozzle size up to 500µm as well as for electrostatic unit **VARV1**.

## Pump specifications

**Flow rate range:** 0.73µ/hr (B-D 1ml syringe) to maximum 1699ml/hr (B-D 60ml syringe)

**Syringe size:** up to 60ml

**Syringe inside diameter range:** 0.10 to 50.00mm

**Accuracy:** Dispensing accuracy of +/-1%.

**Linear force (Max):** 15.87kg (35 lbs) at minimum speed, 8.16kg (18lbs) at maximum speed

**Power supply type:** Unregulated linear external wall adapter, country and power source specific.

**Weight:** 1.63kg (3.6lbs)

**Dimensions:** 22.9 x 14.6 x 11.4 cm (8.75 x 5.75 x 4.5 in.) (L x D x H)

## Dual pumping action

Two Aladdin pumps when daisy-chained are more efficient and affordable than any competitor's dual syringe models. Two Aladdins (AL-2000) will perform as a dual infusion/withdrawal pump, a double pump for infusing at different rates, a push/pull pump with one infusing and one withdrawing at the same or different rates, two independent pumps, or a master/slave pump. One Aladdin can even control the second for continuous pumping with optional check valve set.