

# Scientific KDS100 Syringe Pump



## Nisco Engineering AG

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The Model Scientific KDS 100 is a simple, accurate cost effective syringe pump designed to hold glass or plastic syringes, of any make, from 10 microliter to 60 milliliter.

Setup and pump operation of this pump is extremely simple. A menu, displayed on an alphanumeric LCD "prompts" the operator to make the necessary selections using the keypad for choice of features and numerical entries.



## Suitable applications

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

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

**Advantage:** The pump is designed for applications with low flow rate, has a robust construction and long period of use.

## Nisco applications

The pump is used for J1, J30 and V1 units.

## Pump specifications

### Flow rate range

0.1 $\mu$ l/hr (10  $\mu$ l syringe) to 506ml/hr (60 ml syringe)

### Syringe size

10 microliter to 60 milliliter

### Accuracy 1%

### Linear force average 9 kg (20.25 lbs)

### Voltage operating range

US model 100-120V~, 50/60Hz  
CE model 200-240V~, 50/60Hz

### Weight

4.5 lb (2 Kgm)

### Dimensions

9x6x5 inch (23x15.25x13 cm)

## Environmental conditions

### Operating temperature range

4°C to 40°C (40°F to 104°F)

### Humidity

20% to 80% RH, non-condensing