

# Masterflex<sup>®</sup> Single-Syringe Infusion Pump

Part No. PE-00313

The Masterflex<sup>®</sup> Single-Syringe Infusion Pump is a simple, accurate cost effective syringe pump designed to hold glass or plastic syringes., of any make, from 10 microliter to 60 millilitre.

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



## Nisco Engineering AG

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## Nisco applications

The pump is used for VARJ1, VARJ30, VARD2Go and VARV1 units.

## Pump specifications

### Flow rate range

0.1 l/hr (10 l syringe) to 426ml/hr (60ml syringe)

### Syringe size

10 microliter to 60 millilitre

### Accuracy

+/-0.5%

### Linear force average

9kg (20lbs)

### Voltage operating range

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

### Weight

2kg (4.5lb)

### Dimensions

9x6x5in (23x15.25x13cm)

## Environmental conditions

### Operating temperature range

4°C to 40°C (40°F to 104°F)

### Humidity

20% to 80% RH, non-condensing