

Harvard Apparatus Pump 11 Elite Single Syringe

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The Apparatus Pump 11 Elite is designed as a low cost, single syringe infusion pump capable of low to moderate back pressures.

The pump can hold syringes of any make from 0.5 l to 10/60ml for the single syringe version.

The series offers unparalleled ease of use through the high resolution color touch screen user interface. The full touch screen interface enables the user to quickly create configurations and recall them for easy use. The TFT color display presents all the pump operating parameters on an easy to view run screen.

A green led light on the front panel makes it easy to see if the pump is running. Once the pump starts to run, the display shows the pumps is running and the LED turns on. This will make it easy to see the pump's status.



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.



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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: 1.26pl/min (0.5µl syringe) to maximum 88.40ml/min (60 ml syringe)

Syringe size: 0.5µl to 60ml

Accuracy: +/- 0.5%

Linear force (Max): 16 kg (35 lbs) @ 100% Force Selection

Voltage operating range: Universal power supply, input 100-240VAC, 50/60Hz, 8W

Weight: 2.1kg (4.6lbs)

Dimensions: 22.6 x 17.78 x 15cm (9 x 7 x 6in) (L x D x H)

Environmental conditions

Operating temperature range: 4°C to 40°C (40°F to 104°F)

Storage temperature range: -10°C to 70°C (14°F to 158°F)

Humidity: 20% to 80% RH, well ventilated room