Compact digital pump system boosts efficiency and ergonomics in dispensing and filling applications

- Complete laboratory pump systems—get up and running out of the box
- Realize increased efficiency and throughput when compared to hand pouring, manually pipetting, or using bottletop style dispensers
- Ideal for microbiology, tissue- and cell-culture labs filling plates, tubes, vials, flasks, or bottles
- Dispense culture media, buffer solutions, diluents, nutrients, additives, and other fluids with accuracy and confidence
- Dispense volumes from 0.1 to 9,999 mL at flow rates from 0.11 to 315 mL/min
- Copy dispense function lets you easily set repeat dispense volumes; programmable delay interval pauses pump between cycles
- More than 20% smaller than competitive units—compact size and light weight make it easy to move and share between labs
- Open-head sensor stops the drive when the pump head is opened
- Pump head accepts continuous lengths of tubing for clean flow paths
- Automatic tubing retention makes tube loading quick and easy

We’ve combined our Masterflex L/S Digital Miniflex dispensing pump with everything you need to deliver accurate, repeat volumes for dispensing and filling applications. Two complete systems are available—with hands-free foot switch or handheld remote controller.
At the heart of these systems is the Masterflex L/S Miniflex digital pump. This compact pump features a durable ABS housing that is easy to wipe down and keep clean. The Miniflex pump head features a wide occlusion angle that prevents fluid backflow up to the rated pressure of the tubing. Self-lubricating thermoplastic polyester rollers are low friction and long wearing for smooth operation and long life.

These systems also include Masterflex L/S 25 BioPharm Plus pump tubing. BioPharm Plus tubing offers low spallation, long pumping life, and exceptional flow stability over time—making it ideal for accurate filling and dispensing applications. Tubing is supplied in three eight-foot (2.4 m) lengths.

### System Components

<table>
<thead>
<tr>
<th>Included components</th>
<th>Dispense system with foot switch</th>
<th>Dispense system with handheld remote</th>
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<tbody>
<tr>
<td>Pump (digital drive and Miniflex head)</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Foot switch</td>
<td>Yes</td>
<td>—</td>
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<tr>
<td>Handheld remote dispenser/controller</td>
<td>—</td>
<td>Yes</td>
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<tr>
<td>Support stand, rod, and clamp</td>
<td>Yes</td>
<td>—</td>
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<td>Tube weight, PTFE</td>
<td>Yes</td>
<td>Yes</td>
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<td>Nozzle, stainless steel</td>
<td>Yes</td>
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<tr>
<td>Tubing, 3 x 8 ft (2.4 m)</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

### Specifications

- Flow range: 0.11 to 315 mL/min
- Dispense volume: 0.1 to 9999 mL
- Number of channels: 1
- Speed: 0.1 to 300 rpm
- Speed control (repeatability): ±0.1
- Speed, direction, and start/stop/prime remotely via 25-pin connector on back of drive remote control
- Reversible motor: Yes
- Enclosure rating: IP33
- Power: 90 to 260 VAC, 50/60 Hz

### Accessories

- **MK-96440-25** Additional Masterflex L/S 25 BioPharm Plus tubing, 25 ft (7.6 m)