

Model MSP250 Manual Peristaltic Sampling Pump



◆ By Popular Demand

The Manning Manual Sampling Pump MSP250 was specifically designed in response to requests from the field. Customers wanted an extremely simple, tough, grab sampler. Manning responded with the Manual Sampling Pump MSP250. No frills, no programming, no difficult controls to learn.

◆ Reliable Peristaltic Pump

The Manual Sampling Pump MSP250 comes equipped with an 8-amp-hour battery, a standard-output battery charger, one pre-cut length of pump tubing, one set of quick disconnect fittings (as shown), and one extra set of quick disconnect fittings. Samples are collected by a field-proven ¼-inch internal diameter (ID) peristaltic pump. This is the same pump as on our popular PSB model. We offer a 220V version with all of the above accessories except the charger is replaced with the high output rapid/float two-stage charger.

◆ Durable Construction

The Manual Sampling Pump MSP250 is constructed of materials that will stand the test of time. The thick walls of the controller enclosure are made of impact and corrosion-resistant structural resin, rated NEMA 4X/NEMA 6 for environmental protection.

◆ Easy to Operate

The Manual Pump has only one switch: Forward, reverse, and off. You can't get simpler than that! The operator has the ability to purge or rinse as many times as needed, then draw a sample of any size desired without ever programming anything. The pump starts and stops immediately for complete control of the sampling process.



Specifications

Size Controller, including Pump Housing: W 12.5 in. (31.75 cm) × H 7.00 in. (17.78 cm) × D 10 in. (25.4 cm)
Weight (dry) 11.5 lbs (4.54 kg) Weight includes battery
Environmental Protection NEMA 4X/NEMA 6 structural resin housing around electromechanical components
Sampler Pump ¼-inch peristaltic 12 VDC pump with impact and corrosion-resistant plastic pump body, and dual-roller mechanism
Maximum Lift 28 ft (8.5 m)
Transport Velocity 927 ml per minute @ 10 ft. head height
Power Requirement 8-Amp hour battery (Battery and charger)
Warranty: One year from date of shipment

Ordering Information

MSP250 Spare/Replacement Parts & Accessories*

- **Pump Tubing**
 - ¼-inch PharMed® (pre-cut 18-inch length) P/N 889924
 - ¼-inch PharMed® (bulk by the foot) P/N 566927
- **Battery***
 - Standard 8-amp-hour battery P/N 690539
- **Battery Charger**
 - Standard-output rapid/float two-stage charger (12 VDC @ 750 mA; for 110VAC operation) P/N 885400*
 - High-output rapid/float two-stage charger for 110/220 VAC operation (12 VDC @ 1.25 A) P/N 889825**
- **Quick Disconnect Fittings**
 - Female P/N 552104
 - Male P/N 552105
- **Intake Hose**
 - ¼-inch bulk clear intake hose P/N 566926**
 - **Please specify required length in feet.
- **Bottles**
 - 2.5-gallon polyethylene bottle w/cap P/N 687547
 - 4-gallon polyethylene bottle w/cap P/N 687551
 - 5-gallon polyethylene bottle w/cap P/N 687535
 - 2.5-gallon glass bottle w/Teflon lid liner P/N 889715
 - 5-gallon Bucket Mann™ with splashguard & transport lid P/N 889721
- **Strainers**
 - ¼-inch PVC P/N 889146
 - ¼-inch stainless steel P/N 579595

* Basic sampler includes one (1) 8-amp hour battery, one (1) standard-output battery charger, one (1) 18" pre-cut length of pump tubing with a set of male and female quick disconnect fittings attached, and one (1) additional set of quick disconnect fittings (male & female). Bottle, intake hose, and strainer are additional.

* 220V version includes one (1) 8-amp hour battery, one (1) high-output rapid/float two-stage charger, one (1) 18" pre-cut length of pump tubing with a set of male and female quick disconnect fittings attached, and one (1) additional set of quick disconnect fittings (male & female). Bottle, intake hose, and strainer are additional.

Engineering Specification

1. The controller enclosure is made of structural resin with NEMA 4X/NEMA 6 rating.
2. All wetted parts have a minimum internal diameter of ¼-inch, and are stainless steel or PVC (optional strainer and/or sampling hose), or PharMed® (pump tubing).
3. The sampler incorporates a 3-roller ¼-inch ID peristaltic pump
4. The sample liquid is under forced flow at all times and does not pass through a metering chamber, distribution plate, or valves.
5. The sampler is capable of a transport velocity of 927 ml per minute @ 10 ft. head height.
6. The sampler has an optional weighted strainer of PVC or stainless steel.
7. This sampler is a Manning ¼-inch Manual Sampler Pump MSP250.

Data Sheet MSP250 09/14/09

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In the interest of improving and updating its equipment, Manning reserves the right to alter specifications for equipment at any time