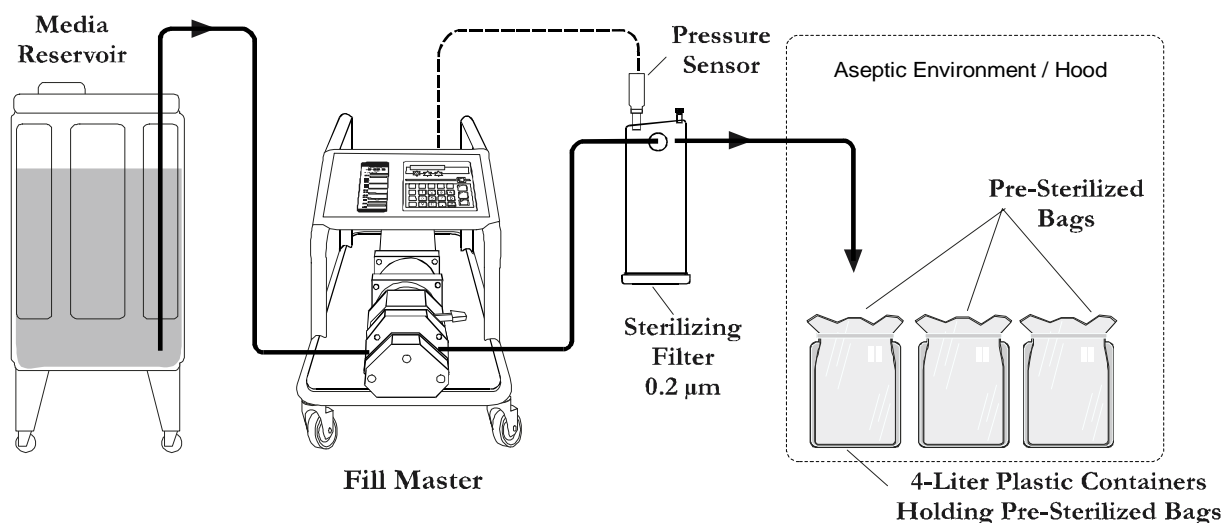


On-line Media Sterilization and Rapid Solution Dispensing: Significant \$-Savings in Preparing Salmonella Test Solutions

SUMMARY:

Food testing laboratories can achieve very significant cost savings in the preparation of Salmonella test solutions. In contrast to conventional procedures, on-line media sterilization and rapid batch dispensing into pre-sterilized plastic bags provide significant labor savings and increase laboratory through put. When compared to conventional procedures, total cost savings of labor and energy in excess of 50% are possible.



FEATURES: FEATURES:

The Fill Master comes installed with a high accuracy, high precision peristaltic pump head with a maximum output of 15 liters/min. All of the connecting tubing, including the filter element can be readily removed for autoclaving. At the non-sterile side of the filter, a pressure transmitter monitors the filter backpressure. When a user-defined pressure limit is exceeded, the SciPro issues an alarm and stops the pump action. Thus the SciPro allows you to maximize the filter throughput capacity while, at the same time, maintaining safe filtration conditions. For a typical volume of 4.0 liters, the dispensing accuracy is 1% or better.

ADVANTAGES:

- ***High precision, high accuracy dispensing, typical accuracy 1% or better***
- ***Automatic slow down of pump output when approaching target weight / volume.***
- ***Real-time documentation of all dispensing data and parameters.***
- ***Mobile, splash resistant pump construction. All stainless steel construction.***
- ***No pump calibration required when dispensing by weight.***
- ***Automated dilution of liquids & slurries based on user-definable weight ratio***

ADDITIONAL FEATURES:

The Fill Master is a mobile, multi-purpose pump / controller that allows easy automated, large volume dispensing and dilution. Quick "Out of Box" automation capability provides rapid investment returns.

The Fill Master allows ready interfacing with industrial scales, pressure sensors or your existing computers for easy system integration. A self-diagnostic mode allows you to automatically check out and document the Fill Master electronics.

All Fill Master pump parameters including pump rate, cumulative volume weight, integrated pressure & level sensor alarms can be printed out or sent to a computer for data archiving. Fill Master data points are identified by a date / time stamp. Data collection via computer can be directly into a Custom Spreadsheet with SciLog's SciDoc Documentation Package, or to your OPC server using the SciLog Labview/OPC interface.

User-definable alarms offer peace of mind when handling your valuable process liquids. Utilizing sensor inputs and programmable alarm parameters, the Fill Master will automatically stop and alert you when unsafe conditions are detected.

ORDERING INFORMATION: SciLog Customer Service: 1-800-955-1993

PART # DESCRIPTION:

800-103FILL **Fill Master-103** with **High Performance I/P** (Cole-Parmer) Peristaltic Pump Head, uses Masterflex Tubing Sizes: I/P 70, I/P 88, and I/P 89. **Pump Rate:** 0.2 to 17 liters/min **Motor:** 0.5 HP, 1750 RPM, 40 psi max, Optically Encoded, 3.1:1 Speed Reduction at Pump Head, 565 RPM.

800-102FILL **Fill Master-102** with **B/T** (Cole-Parmer) Peristaltic Pump Head, uses Masterflex Tubing Sizes: B/T 86, B/T 88, B/T 90 and B/T 92. **Pump Rate:** 0.2 to 45 liters/min..., 20 psi max., **Motor:** 0.5 HP, 1750 RPM, Optically Encoded, 5:1 Speed Reduction at Pump Head, 350 RPM.

100-SPE060 **Mettler-Toledo, "SpeedWeigh" scale**, 60kg capacity, 10 gram scale resolution, mounted 6-digit display, 12' x 12' platform, wash-down resistant. Contact SciLog for larger capacity industrial scales that interface with Fill Master.

800-512T **Pressure transmitter**, SS construction, 3/4" TC connector, SS diaphragm design, range: 0-100psi, 0.25% accuracy, comes with cable and connector for hook-up with Fill Master.

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