

METERED DISPENSING WITH PERISTALTIC PUMP

Peristaltic Pump Head for
Safe & Efficient Fluid Flow

Sectioned Chemically
Compatible Tubing for
Extended Use & Ease of
Servicing



GUI controlled 100-Watt
Servo Motor coupled with
10:1 Gear Reduction for
Precise & Adjustable Flow
Control Range

Ultra t Equipment offers a System-Integrated Positive-Displacement Peristaltic Pump with Ultrasonic Flow Monitoring to provide Metered Dispense of Fluids across a range of viscosities & chemistries.

- Assembly combines a Adjustable Peristaltic Pump Head, a gear-reduced recipe-controlled 100-Watt Servo Motor, & Ultrasonic Flow Monitoring, using a combination of PFA & Tygon tubing.
- Precision flow control range of 0.36 – 2000mL/min with real-time GUI display
 - Low-Flow dispenses of <20mL/min having <5% deviation
 - High-Flow dispenses having <2% deviation
 - Flow Monitoring is unaffected by bubbles from off-gassing chemistries such as Nanostrip
- Recipe-driven & Metered Dispense with Point-of-Use Mixing Options
- Tygon Chemical Pump Precision Tubing double layer structure provides Compressive Durability & Chemically Resistant Fluid Delivery usable with Concentrated Acid & Alkali, & harsh organic solvents.
- Self-Priming Pump design offers no contact with chemistries, only with outside of tubing, and generates no bubbles in fluid flow.
- System software monitors pump usage, with GUI notifications when replacement is recommended.
 - Tubing offers 50 hours of use before replacement.
 - Total time is tabulated against actual pump usage in recipe; often recipes only call for seconds of use.
- Recipe & Maintenance controls provide reversible pumping & suck-back operation of dispense lines
- Quick & convenient tubing replacement utilizing pump reversal.
 - Available Programmed N₂ / DI Water / N₂ line purging provides operator safety for applications using hazardous chemistries.



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