

# Sentino™ Microbiology Pump

Maximize workspace and minimize contamination risk



- ▶ Compact design frees valuable benchtop space and provides flexibility for an efficient workflow.
- ▶ Minimal height of the pump allows convenient use in a hood that can limit upward range of motion during routine analysis.
- ▶ Pump's disposable fluid path is simple to load and completely disposable to eliminate potential biofilm build-up.
- ▶ Uni-directional peristaltic flow design pulls sample through the filter and fluid path eliminating the need for a vacuum source, and reducing potential for back-up and contamination of analysis.
- ▶ Fixed filtration parameters meet the Membrane Filter (MF) Technique filtration parameters described in U.S. EPA, ISO, and ASTM standards.
- ▶ Shape of unit and materials of construction are easy to wipe down with standard laboratory disinfectants.
- ▶ Soft-touch keypad has simple on/off function and pulse features to control filtration.

## Applications

- ▶ MF Technique for analyzing aqueous-based fluids for microbial contamination.
- ▶ Works with MicroFunnel™ filter funnels.

## Specifications

### Materials of Construction

Housing Material: Polycarbonate ABS-blended polymer  
 Keypad and Label: Polyester  
 Pump Head: PEI with PTFE-filled PBT rollers  
 Fluid Path Adaptor: Polypropylene  
 Hose Material: Thermoplastic elastomer

### Dimensions

Length: 13.6 cm (5.4 in.)  
 Width: 9.5 cm (3.7 in.)  
 Height: 10.4 cm (4.1 in.)  
 Weight: 680 g (1.5 lbs.)  
 Hose Dimensions: 4.8 mm (3/16 in.) ID x 7.9 mm (5/16 in.), OD [1.6 mm (1/16 in.) wall thickness]

### Temperature Range

Operation: 15-30 °C (59-86 °F)  
 Storage: -15-45 °C (5-113 °F)  
 Fluid path should be allowed to equilibrate to operation range before use

### Battery

Voltage: 12.0 V  
 Type: NiMH (nickel metal hydride)

### DC Supply

Voltage: 24.0 V

### AC/DC Power Transformer

24 VDC 1.6 Amp 100-240 VAC, 47- 63 Hz  
 Input Interface: IEC 320 3-pin socket  
 Output Interface (Power Entry Plug): 2.5 mm barrel jack

### Power Cord

13180: IEC 320 connector and NEMA 5-15P grounded plug  
 13181: IEC 320 connector and European CEE 7/7 plug, and IEC 320 connector and UK BS1363 plug

## Ordering Information

### Sentino Microbiology Pump

Part Number	Description	Pkg
13180	System for North America: (1) power transformer, (1) power cord with NEMA 5-15P plug, (1) Fluid Path, and (1) User Guide CD	1/pkg
13181	System for locations outside North America: (1) power transformer, (1) European power cord with CEE 7/7 plug, (1) UK power cord with BS1363 plug, (1) Fluid Path, and (1) User Guide CD	1/pkg

### Accessories and Replacement Parts

Part Number	Description	Pkg
4861	Fluid Path, disposable, for use with MicroFunnel filter funnel	10/pkg

### Related Products

Ampoule Media for Microbiological Analysis	217
MicroFunnel Filter Funnels	219 - 223
Petri Dishes	230, 280
Stainless Steel Forceps	230, 280