



Life Sciences



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1.800.932.5000

## Sentino™ Microbiology Pump



### *Maximize workspace and minimize contamination risk*

- ▶ **Compact design** – Small footprint frees valuable benchtop space and provides flexibility in arranging workspace for optimal efficiency and workflow.
- ▶ **Minimal height** – Allows convenient use in a hood fitted with a sash that can limit upward range of motion during routine analysis.
- ▶ **Disposable fluid path** – Simple to load and completely disposable to eliminate potential biofilm build-up. There is no need to clean, wrap, and autoclave a bulky multi-place manifold. The potential for sporadic and unnecessary contamination is removed.
- ▶ **Peristaltic flow design** – Pulls sample through the filter and fluid path eliminating the need for a vacuum source. Also ensures the fluid flows in one direction without the potential for back-up and contamination of analysis.
- ▶ **Fixed filtration parameters** – Meets the Membrane Filter (MF) Technique filtration parameters described in U.S. EPA, ISO, and ASTM standards. Fixed conditions also prevent changes to filtration parameters that may adversely affect colony recoveries and integrity of results.
- ▶ **Safety feature** – Eliminates a fluid trap under the vacuum, preventing implosion accidents.
- ▶ **Easy to clean** – Shape of unit and materials of construction are easy to wipe down with standard laboratory disinfectants.
- ▶ **Simple operation** – Soft-touch keypad has simple on/off function and pulse features to control filtration. No complicated programming necessary to validate.

*Filtration. Separation. Solution.<sup>SM</sup>*

## 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

VWR 89183-082: IEC 320 connector and NEMA 5-15P grounded plug  
VWR 89183-084: IEC 320 connector and European CEE 7/7 plug, and IEC 320 connector and UK BS1363 plug

## Ordering Information

### Sentino Microbiology Pump

VWR Cat. No.	Pall Part No.	Description	Pkg
89183-082	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
89183-084	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

VWR Cat. No.	Pall Part No.	Description	Pkg
89183-086	4861	Fluid Path, disposable, for use with MicroFunnel filter funnel	10/pkg

## Complimentary Products

- ▶ **MicroFunnel Filter Funnels** – Increase laboratory efficiency with convenient, ready-to-use disposable filter funnels.
- ▶ **Ampoule Media for Microbiological Analysis** – Wide variety of sterile ampoule media pre-measured for ease of use.
- ▶ **Petri Dishes** – Unique design for easy handling, stacking, and storage.
- ▶ **Stainless Steel Forceps** – Make filter handling easy.

## Related Literature

View our video at [www.pall.com/sentino](http://www.pall.com/sentino).



### Ordering:


[www.vwr.com](http://www.vwr.com)

### Technical Assistance:

[LabSupport@pall.com](mailto:LabSupport@pall.com)

### Product Support:

[www.pall.com/lab](http://www.pall.com/lab)

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