



Laboratory

## 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

IEC 320 connector and NEMA 5-15P grounded plug  
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
13186	(1) Power Transformer, (1) European power cord with CEE 7/7 plug, (1) UK power cord with BS1363 plug, (1) NA power cord with NEMA 5-15P	1/pkg

\*User guide available at [www.pall.com/Sentino](http://www.pall.com/Sentino)

## Accessories

Part Number	Description	Pkg
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).



**Pall Life Sciences**  
25 Harbor Park Drive  
Port Washington, New York 11050

Visit us on the Web at [www.pall.com/lab](http://www.pall.com/lab)

E-mail us at [LabCustomerSupport@pall.com](mailto:LabCustomerSupport@pall.com)

### International Offices

Pall Corporation has offices and plants throughout the world in: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, New Zealand, Norway, Philippines, Poland, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, and Vietnam. Distributors in all major industrial areas of the world. To locate the Pall office or distributor nearest you, visit [www.pall.com/contact](http://www.pall.com/contact).

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.