Sentino™

MICROBIOLOGY PUMP

- **Compact design:** small footprint frees valuable benchtop space and provides flexibility in arranging your workspace for optimal efficiency.
- **Minimal height:** allows for use in a hood fitted with a sash that limits upward range of motion.
- **Disposable fluid path:** simple to load and completely disposable to eliminate potential biofilm build-up. No need to clean, wrap, and autoclave a bulky multi-place manifold. 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. Ensures the fluid flows in one direction without the potential for back-up and contamination.
- **Fixed filtration parameters:** meets the membrane filter 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.

Applications

The Sentino™ microbiology pump is designed for membrane filter technique (MF) analysis of aqueous samples for microbial contamination. It is compatible with MicroFunnel™ filter funnels.



Fig 1. Sentino microbiology pump.

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
Width: 9.5 cm
Height: 10.4 cm
Weight: 680 g
Hose dimensions: 4.8 mm ID x 7.9 mm
OD (1.6 mm wall thickness)

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Temperature range

Operation: 15°C to 30°C
Storage: -15°C to 45°C

Fluid path should be allowed to equilibrate to operation range before use

Battery

Voltage: 12.0 VDC
Type: Nickel metal hydride (NiMH)

DC supply

Voltage: 24.0 VDC

AC/DC power transformer

24 VDC 100/240 VAC
Input interface: IEC 320 3-pin socket
Output interface (power entry plug): 2.5 mm barrel jack

Power cord

IEC 320 connector with NEMA 5-15P grounded plug
IEC 320 connector with European CEE 7/7 plug
IEC 320 connector with UK BS1363 plug

Ordering information

Sentino microbiology pump

Description	Pack size	Product code
(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	13186

Accessories

Description	Pack size	Product code
Disposable fluid path for use with MicroFunnel filter funnel	10/pkg	4861

Related products

Sentino membrane filter dispenser

Microfunnel filter funnels

Laboratory manifold

Learn more about our microbiology portfolio offering a suite of funnels, membranes, and equipment designed for flexibility in various microbiology testing applications and workflows including pharmaceutical testing, food sample analysis, and water testing.

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CY48642-03Jul26-DF