Laboratory manifolds

A unique microbiology manifold that allows you to optimize testing without sacrificing cleanliness. With interchangeable components and coupling tools, the manifold takes direction from you.

The features and benefits of our laboratory manifold include:

- **No more "dirty" manifolds:** Microbial cross contamination of your sample is a thing of the past. The manifold is designed to fit most laboratory autoclaves by separating into manageable components.
- **Double testing capacity:** A larger manifold is at your reach with just a coupler. Modular deign allows two manifolds to combine, yielding a standard 6-place manifold which can be easily separated for disinfection and/or sterilization.
- **Manifolds that adapt to you:** Whether you are right or left handed, setting up your test workflow is second nature. The components are interchangeable and designed with a simple slip fit to the manifold.



Fig 1. Laboratory manifold.

Applications

Bioburden testing of filterable products is performed to determine the number of viable and reproducible microorganisms. By recovering organisms on and in a membrane filter, processing efficiency and the microbial quality of a sample can be evaluated to assure that the product is not harmful to the intended recipient.

Detecting spoilage microorganisms is critical for foods and beverages, as they may be responsible for the deterioration of sensory qualities (visual, texture, and taste) and may potentially render the product harmful for consumption. Using membrane filtration, detection of these spoilage microorganisms keeps contaminated items from reaching the market.

Monitoring for compliance to drinking water standards using membrane filtration technique determines if there are levels of pathogenic microorganisms in treated water or wastewater. The microorganisms include coliforms such as *E. coli* and Legionella, which are both classified as pathogens.

Technical specifications

Dimensions

	Height	Weight	Length	Width
3-place manifold (with end cap and hose barb cap)	99 mm (3.9 in.)	1.71 kg	437.1 mm (17.2 in.)	152.4 mm (6.0 in.)
Coupling tool	31.8 mm (1.25 in.)	70 g	34 mm (1.34 in.)	31.8 mm (1.25 in.)
MicroFunnel™ filter funnel adapter	117 mm (4.6 in.)	2.35 kg	–	–
Sentino™ filter funnel adapter with frit	112 mm (4.4 in.)	2.28 kg	–	–
Standard tulip adapter	128 mm (5.06 in.)	2.05 kg	–	–
Elongated tulip adapter	170 mm (6.7 in.)	2.21 kg	–	–

Materials of construction

Piping, all adapters, end cap, hose barb cap, and coupling tool	316L stainless steel
Valve assembly	316L stainless steel
Valve locking collar and knob	6061-T6 anodized aluminium
Valve O-rings	Fluorocarbon elastomer
Adapter O-rings	Fluorocarbon elastomer
Tube O-rings	Silicone

Ordering information

Description	Amount per package	Product code
3 place manifold base 3 manifold valves 1 end cap 1 hose barb cap	1 set	4889
MicroFunnel adapter	3	4890
Sentino funnel adapter	3	4891
Standard adapter	3	4892
Coupling tool for manifold	1	4893
Elongated standard adapter	3	4959

Accessories and replacement parts

Description	Amount per package	Product code
Spare O-ring kit	1 set	4878
Manifold valves	1	4894

Related products

- MicroFunnel filter funnels
- MicroFunnel Plus and Plus AP filter funnels
- MicroCheck™ beverage monitors
- 47 mm magnetic filter funnels
- Sentino filter funnels
- Sentino filter dispenser and membranes
- S-pack membranes
- Forceps
- Petri dishes
- Ampoule media

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