

EZ-Fit® Manifold for universal laboratory filtration

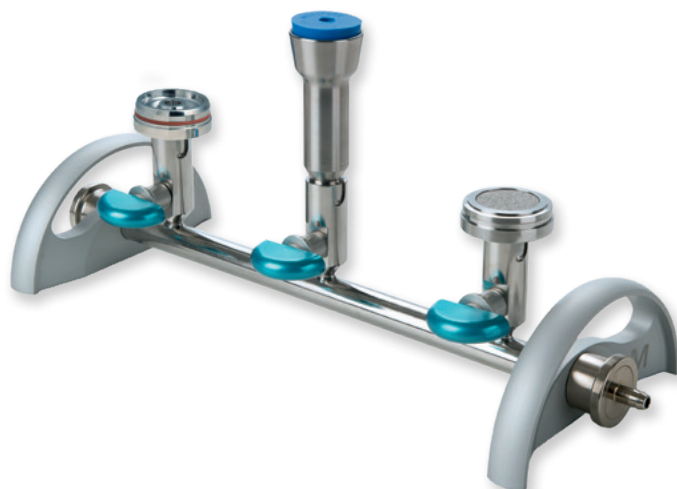
Optimize your workflow
Take control of your contamination risks

Optimize your workflow and take control of your testing

- Different filtration heads fit to both reusable and disposable filtration devices
- Easy to prevent biofilms
 - easy access to all inner parts for efficient cleaning
 - each component can be removed by hand and autoclaved
- Quick-fit connections for the vacuum tubing
- Low height for ease of use in laminar flow hoods

The EZ-Fit® Manifold design eliminates sources of contamination

When filtering water, beverages and other liquids, residual amounts of sample can become trapped in **non-accessible areas** of the filtration equipment, leading to the formation of a biofilm. Biofilms are aggregates of microorganisms protected by an extracellular matrix. Once formed, they are very difficult to eliminate and can eventually cause false positive results by contaminating the test. With the **EZ-Fit® Manifold**, biofilm formation can be prevented because every single component can be removed for easy cleaning and autoclaving. All **internal areas are accessible** and can be brushed/cleaned efficiently. Filtration heads, valves and tubing connections are all easily removable. The design of the **2-way valve** prevents the user accidentally touching the filtration head while opening or closing the valve.



Components can be removed without using any tools for efficient cleaning and autoclaving.

Ease of use

We have worked with membrane filtration users worldwide and across industries to develop the EZ-Fit® Manifold. Taking into consideration user requirements and ergonomic improvements, we have developed a manifold that creates a new standard for "Easy to Use"! A **low height** design increases comfort, especially when used in laminar flow hoods. Extension accessories have been designed specifically for operators working at benches. The **2-way valves** are large and easy to operate. The **tubing** to the vacuum source can be connected to either side of the manifold. A unique system has been incorporated to ensure the stability of the manifold on non-flat working areas, and the total **weight** is only 2.9 kg (for a 3-place manifold).

1. Easy to operate valve



2. Vacuum connection to the left or right side



3. Quick connections for easy maintenance



4. Low height of EZ-Fit® Manifold improves comfort



Filtration heads for EZ-Fit® filtration units

The EZ-Fit® Filtration Unit is a disposable filtration device for bioburden testing of liquid samples including water, in-process samples, and final products.

The ready-to-use sterilized and disposable EZ-Fit® Filtration Units streamline your workflow, save time and give you highly reliable microbial enumeration results.

The EZ-Fit® High Throughput Application head has been designed to improve ease of use, reduce maintenance and limit the risk of contamination.

1. EZ-Fit® Filtration Units for convenient and safe microbial testing



2. EZ-Fit® High Throughput Application head



Filtration heads for other applications

Additional configurations are also available for filtration heads compatible with Microfil® or filtration heads that accept a N°8 stopper to fit 55-Plus Monitors and reusable glass or stainless steel funnels.

Use of ...

1. ... Microfil® Filtration Units



2. ... 55-Plus Monitors filtration units



3. ... reusable funnels



Technical specifications

Materials of construction	
Handles, valve (trigger and knob)	Aluminum
Connections, pipe, valve (body)	316 L stainless steel
Connection seals and valve seals	Ethylene propylene diene monomer (EPDM)
Filtration head O-rings	Silicone
Dimensions (W*L*H) in mm	168 x 433 x 117 for a 3-place manifold
Weight	2.9 kg for a 3-place manifold
Tubing connection	Hose barb for 10 mm tubings (NPS 3/8 or DN10)
Autoclaving conditions	121°C for up to 30 mins



Ordering information

Product Description	Qty/pk	Cat. No.
EZ-Fit® Manifold		
EZ-Fit® Manifold, 1-place for EZ-Fit® Filtration units	1	EZFITSAM1
EZ-Fit® Manifold, 3-place for EZ-Fit® Filtration units	1	EZFITSAM3
EZ-Fit® Manifold, 6-place for EZ-Fit® Filtration units	1	EZFITSAM6
EZ-Fit® Manifold components		
EZ-Fit® Manifold base, 1-place, stainless steel	1	EZFITBASE1
EZ-Fit® Manifold base, 3-place, stainless steel	1	EZFITBASE3
EZ-Fit® Manifold base, 6-place, stainless steel	1	EZFITBASE6
EZ-Fit® Filtration Unit head for EZ-Fit® Manifold	1	EZFITMHTA1
	3	EZFITMHTA3
Microfil® Filtration head for EZ-Fit® Manifold	1	EZFITMIHE1
	3	EZFITMIHE3
Filtration head long for rubber stopper tulip for EZ-Fit® Manifold	1	EZFITHIHE1
	3	EZFITHIHE3
Filtration head short for rubber stopper tulip for EZ-Fit® Manifold	1	EZFITL0HE1
	3	EZFITL0HE3
Height extension for EZ-Fit® Manifold	1	EZFITEXTE1
	3	EZFITEXTE3
Spare parts		
EZ-Fit® Manifold quick connection, 1 plug and 1 connector	1	EZFITQUICKC
EZ-Fit® Manifold o-ring kit	3	EZFITGASK3
EZ-Fit® Manifold complete valve	1	EZFITVALV1
EZ-Fit® Manifold maintenance kit, including lubricant and brush	1	EZFITMAKIT
EZ-Fit® Vanguard	3	EZFITVANG3
N°8 blue stopper (9.5 mm – 3/8 in.) silicone	5	XX2004718

Related products

Description	Qty/Pk	Cat. No.
EZ-Stream® Vacuum Pump	1	EZSTREAM1
Silicone Hose – autoclavable Internal diameter: 9.5 mm (3/8 in.) Length: 5.0 m (196.8 in.)	1	STREAMTUB
EZ-Fluo™ System standard kit	1	EZFKIT001

Please consult our website or contact our sales representative for access to the complete range of equipment and consumables for microbiological analysis.



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SigmaAldrich.com/offices

Or order online at:
SigmaAldrich.com/order

For Technical Service, please contact:
technicalservice@merckgroup.com

For more information, visit
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Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt
Germany

