

# EZ-Fit® Manifold for universal laboratory filtration

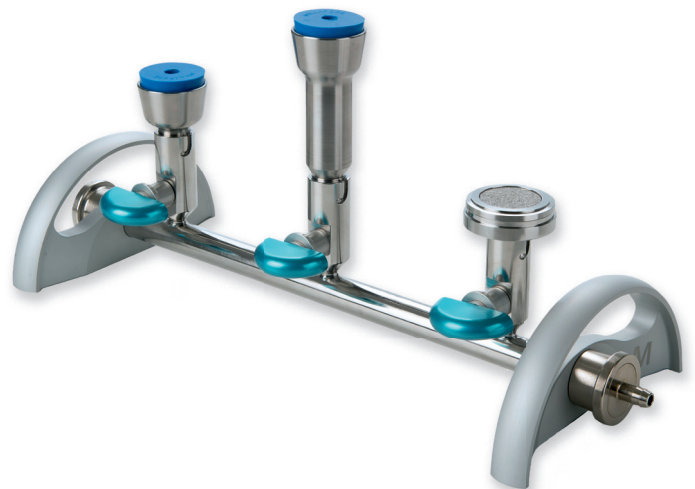
Optimize your workflow  
Take control of your contamination risks

## 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 new 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

Merck has worked with membrane filtration users worldwide and across industries to develop the EZ-Fit® Manifold. Taking into consideration user requirements and ergonomic improvements, Merck has 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



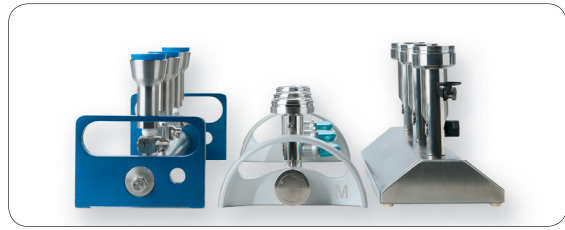
### 2. Vacuum connection to the left or right side



### 3. Quick connections for easy maintenance



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



## A new filtration head for Microfil®

Microfil® consumables consist of single-use sterile 250 mL or 100 mL plastic funnels and sterile packed filtration membranes. Membranes are available in single pouch (S-Pak®) or in rolls of 150 units (EZ-Pak®), allowing touch-free, safe and fast dispensing, thanks to the EZ-Pak® Dispenser Curve.

The new Microfil® head has been designed to improve ease of use, reduce maintenance and limit the risk of contamination. A continuous rim allows **easy and safe membrane transfer** with forceps, reducing the risk of touching the membrane filtration area. The porous **filtration support** can be removed simply by pressing down anywhere around its edge.

#### 1. Rim allows easy and safe membrane transfer



#### 2. Filter support can be easily removed



## Filtration heads for other applications

Additional filtration heads that accept a N°8 stopper are available. These fit Merck devices such as EZ-Fit® Filtration Units. One filtration head is also compatible with stainless steel and glass funnels.

### Use of..

#### 1. ...EZ-Fit® Filtration Units



#### 3. ...reusable funnels



#### 2. ...Monitor 55-Plus™ filtration units



## Technical specifications

<b>Materials of construction</b>	
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
<b>Dimensions (W*L*H) in mm</b>	168 x 433 x 117 for a 3P manifold <b>Cat. No. EZFITMIC03</b>
<b>Weight</b>	2.9 kg for a 3P manifold <b>Cat. No. EZFITMIC03</b>
<b>Tubing connection</b>	Hose barb for 10 mm tubings (NPS 3/8 or DN10)
<b>Autoclaving conditions</b>	121°C for 30 min



## Ordering Information

Description	Qty/Pk	Cat. No.
<b>EZ-Fit® Manifold</b>		
EZ-Fit® Manifold, 1-place for Microfil® funnels and membranes	1	EZFITMIC01
EZ-Fit® Manifold, 3-place for Microfil® funnels and membranes	1	EZFITMIC03
EZ-Fit® Manifold, 6-place for Microfil® funnels and membranes	1	EZFITMIC06
EZ-Fit® Manifold, 1-place for EZ-Fit® Filtration units	1	EZFITEFUN1
EZ-Fit® Manifold, 3-place for EZ-Fit® Filtration units	1	EZFITEFUN3
EZ-Fit® Manifold, 6-place for EZ-Fit® Filtration units	1	EZFITEFUN6
EZ-Fit® Manifold, 1-place for rubber stopper tulip	1	EZFITHOLD1
EZ-Fit® Manifold, 3-place for rubber stopper tulip	1	EZFITHOLD3
EZ-Fit® Manifold, 6-place for rubber stopper tulip	1	EZFITHOLD6
<b>EZ-Fit® Manifold components</b>		
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
Microfil® filtration head for EZ-Fit® Manifold	1	EZFITMIHE1
	3	EZFITMIHE3
EZ-Fit® Filtration Unit head for EZ-Fit® Manifold	1	EZFITMVHE1
	3	EZFITMVHE3
Filtration head for rubber stopper tulip for EZ-Fit® Manifold	1	EZFITHIHE1
	3	EZFITHIHE3
Height extension for EZ-Fit® Manifold	1	EZFITEXTE1
	3	EZFITEXTE3
<b>Spare parts</b>		
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 removable porous filter support, stainless steel	3	EZFITFRIT3
EZ-Fit® Manifold maintenance kit, including lubricant and brush	1	EZFITMAKIT
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-Pak® Dispenser Curve for EZ-Pak® membranes	1	EZCURVE01
100 mL Microfil® funnel dispenser	1	MIACFD101
250 mL Microfil® funnel dispenser	1	MIACFD201

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



For more information, visit  
[MerckMillipore.com/EZ-Manifold](https://www.merckmillipore.com/EZ-Manifold)

### To Place an Order or Receive Technical Assistance

In the U.S. and Canada, call toll-free  
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