



# MICROFILTRATION ASSEMBLY

## 47 mm Microfiltration Assembly, Fritted Glass Support with Silicone Stopper (without filtering flask)

FAVORIT® 47 mm vacuum microfiltration assembly handles up to 500 mL of liquid samples, separating particles through a fine filter under vacuum pressure, crucial for removing microbiological contamination in laboratory processes.

They are also highly chemical resistant making them suitable for all common laboratory applications.

- Supplied with a 40-60 micron porosity fritted glass support base, a 300 mL graduated funnel, an anodized aluminum clamp and a silicone stopper.
- Funnels are graduated from 100 to 250 mL in 25 mL increments.
- Prefilter size is 35 mm.
- Approximate filter area is 9.6 cm<sup>2</sup>.
- Connection to 1000mL filtration flask (available as an accessory) is made with a No.16 silicone stopper.



\*Cover for glass funnel and Filtering Flask sold separately.

### SPECIFICATIONS

Cat. No.	Description	Case Qty
P811347	47 mm Microfiltration Assembly, 300ml Funnel with Silicone Stopper	1

### OPTIONAL ACCESSORIES

Cat. No.	Description	Case Qty
P811347-05	Cover for glass funnel - Blue color	1

### COMPONENTS

Cat. No.	Description	Case Qty
P811347-01	300ml Glass Graduated Funnel, 47mm	1
P811347-02	47mm Aluminium Clamp	1
P811347-03	47mm Fritted Support Base (without filtering flask)	1
P811347-04	Silicone Stopper with hole, No.16	1



\*Cover for glass funnel sold separately.

## 47 mm Microfiltration Assembly with Fritted Glass Support and Ground Joint

A 47 mm filtration apparatus with fritted glass support is commonly used in laboratory settings for separating solids from liquids or gases. It's widely utilized in various filtration and purification processes, and recommended for routine filtration analysis of corrosive liquids and the removal of particulates from HPLC solvent.

- Ground joint connection prevents the possibility of phthalate contamination, which may arise when engaging with silicone or neoprene stoppers.
- The support base features a glass frit with a porosity of 40-60 microns and an integrated vacuum connection positioned above the drip tip, preventing the vacuum line from being contaminated by filtrate droplets.
- Each apparatus is supplied with a funnel, an anodized aluminum clamp, a 47 mm fritted glass support base and a filtration flask.
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.

### SPECIFICATIONS

Cat. No.	Description	Case Qty
P811613	47 mm Microfiltration Assembly, 300ml Funnel with 1000ml Filtering Flask	1

### OPTIONAL ACCESSORIES

Cat. No.	Description	Case Qty
P811613-05	PTFE Sleeves for Greaseless Connections, Fit standard Taper Joint 40/35	6
P811613-06	Cover for glass funnel - Blue color	1

### COMPONENTS

Cat. No.	Description	Case Qty
P811613-01	300ml Glass Graduated Funnel, 47mm	1
P811613-02	47mm Aluminium Clamp	1
P811613-03	47mm Fritted Support Base with 40/38 outer joint	1
P811613-04	1000mL Filtering Flask, with 40/38 Inner Joint	1

## 47mm Microfiltration Assembly, with PTFE Insert and Clamp

For optimal flow rate when filtering viscous or proteinaceous solutions, it's recommended to utilize the 47mm Filtration Apparatus With Stainless Steel Support.

- This apparatus is also used to produce ultra-clean filtrate since the stainless steel screen will not shed particles into the filtrate.
- Ground joint connection prevents the possibility of phthalate contamination, which may arise when engaging with silicone or neoprene stoppers.
- Each apparatus is supplied with a funnel, an anodized aluminum clamp, a stainless steel support screen, a PTFE gasket, a 47 mm glass support base and a filtration flask.
- 80 x 80 304 stainless steel mesh, 0.005" opening size, 19.4% open area, 0.007" wire diameter.
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.



### SPECIFICATIONS

Cat. No.	Description	Case Qty
P811054A	47 mm Microfiltration Assembly, 300ml Funnel, Filtering Flask 1000mL, with Perforated Glass	1
P811054-04A	Perforated Glass 50mm	
P811054B	47 mm Microfiltration Assembly, 300ml Funnel, Filtering Flask 1000mL, with PTFE Gasket with Metal Sheet	1
P811054-04B	PTFE Gasket with Perforated Metal Sheet	

Cat. No.	Description	Case Qty
P811054C	47 mm Microfiltration Assembly, 300ml Funnel, Filtering Flask 1000mL, Sintered Disc	1
P811054-04C	Sintered Disc 50mm	
P811054D	47 mm Microfiltration Assembly, 300ml Funnel, Filtering Flask 1000mL, Screen Silicone Molded Sieve 120 Mesh	1
P811054-04D	Screen Silicone Molded Sieve 120 Mesh	

### COMPONENTS

Cat. No.	Description	Case Qty
P811054-01	Filtering Flask 1000mL with NS40/38	1
P811054-02	Head NS40/38 with hose Connection GL14	1
P811054-03	PTFE Adapter Disc	1
P811054-05	300ml Glass Graduated Funnel, 47mm	1
P811054-06	47mm Aluminium Clamp	1
P811054-07	Screw Cap GL14 with Plastic Hose Connection Straight	1

### OPTIONAL ACCESSORIES

Cat. No.	Description	Case Qty
P811054-08	PTFE Sleeves for Greaseless Connections, Fit Standard Taper Joint 40/35	6
P811054-09	Cover for glass funnel - Blue color	1



## 47 mm Microfiltration Assembly with Solvent Pick-Up Adapter and Ground Joint

This all glass microfiltration system eliminates pouring HPLC solvents into funnels.

- The solvent pickup adapter draws solvent directly from a reagent bottle through a 47 mm filter and into a filter flask
- After filtration is complete, valve on the solvent pickup adapter can be turned off for vacuum degassing.
- Existing filtration assemblies are easily converted to in-line filtration/degassing by replacing existing funnels with solvent pickup adapters. They clamp to support bases in the same way that funnels do.
- This system comes with a solvent pickup adapter, a coarse porosity fritted glass filter base, an inner joint flask and an aluminum clamp.
- The support base has a 40-60 micron porosity glass frit and an integral vacuum connection above the drip tip to prevent contamination of the vacuum line with filtrate droplets.
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.

### SPECIFICATIONS

Cat. No.	Description	Case Qty
P811820 C	47 mm Microfiltration Assembly, 1000ml Filtering Flask, with Solvent Pick-Up Adapter and Ground Joint	1

### OPTIONAL ACCESSORIES

Cat. No.	Description	Case Qty
P811820 G-05	Cover for glass funnel - Blue color	1

### COMPONENTS

Cat. No.	Description	Case Qty
P811820 C-01	Solvent Pickup Adapter	1
P811820 C-02	Aluminium Clamp 47mm	1
P811820 C-03	Fritted Support Base 47mm with 40/38 outer joint	1
P811820 C-04	Filtering Flask, 1 Litre, with 40/38 Inner Joint	1

## 47 mm Microfiltration Assembly With Thread Connection and Standard Pick up Adapter

Microfiltration system skip the hassle of pouring HPLC solvents into funnels.

- The solvent pickup adapter draws solvent directly from a reagent bottle through a 47 mm filter and into a filter flask
- After filtration is complete, valve on the solvent pickup adapter can be turned off for vacuum degassing.
- Existing filtration assemblies are easily converted to in-line filtration/degassing by replacing existing funnels with solvent pickup adapters. They clamp to support bases in the same way that funnels do.
- This system comes with a solvent pickup adapter, a coarse porosity fritted glass filter base, GL45 Thread Connection Flask and an aluminum clamp.
- The support base has a 40-60 micron porosity glass frit and an integral vacuum connection above the drip tip to prevent contamination of the vacuum line with filtrate droplets.
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.



### SPECIFICATIONS

Cat. No.	Description	Case Qty
P811820	47 mm Microfiltration Assembly, 1000ml Filtering Flask, with Thread Connection and Standard Pick up	1

### COMPONENTS

Cat. No.	Description	Case Qty
P811820-01	Standard Pickup Adapter	1
P811820-02	Aluminium Clamp 47mm	1
P811820-03	Filtering Flask, 1 Litre, with 40/38 Inner Joint	1
P811820-04	Silicone Stopper with hole, No	1
P811820-05	Thread Connection	1

### OPTIONAL ACCESSORIES

Cat. No.	Description	Case Qty
P811820-06	Cover for glass funnel - Blue color	1

## 25 mm, Microfiltration Assembly with Fritted Glass Support

The 25 mm vacuum microfiltration assembly is designed to handle small volumes of liquids for analysis of particulate or microbiological contamination. It has a fritted glass support and is used for general filtration.

- Supplied with a 40-60 micron porosity fritted glass support base, a 15 mL graduated funnel, an anodized aluminum clamp and a Silicone stopper.
- Funnels are graduated from 5 to 15 mL in 1 mL increments.
- Prefilter size is 16 mm diameter.
- Approximate filter area is 2.5 cm<sup>2</sup>.
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.



### SPECIFICATIONS

Cat. No.	Description	Case Qty
P811325	25mm Microfiltration Assembly with Silicone Stopper	1

### COMPONENTS

Cat. No.	Description	Case Qty
P811325-01	25mm Glass Funnel, 25ml	1
P811325-02	25mm Aluminium Clamp	1
P811325-03	25mm, Fritted Glass Support Base	1
P811325-04	Silicone Stopper with hole	1
P811325-05	250ml Filtering Flask with Glass Nozzle	1