

FILTRATION APPARATUS



Microfiltration Apparatus made of borosilicate glass are suited for demanding separation applications requiring strong acids or alkalis due to their great chemical and thermal shock tolerance. Our filtration flasks are strong enough for vacuum filtration applications due to their unique form and thick walls.

FILTRATION APPARATUS

Microfiltration
Apparatus, 47mm

Microfiltration
Apparatus, 25mm

Microfiltration
Apparatus, 90mm

Microfiltration Apparatus, 47mm

A fritted glass support base with a porosity of 40-60 microns, comprise with a 300 ml, 1000ml graduated funnel, an anodized aluminum clamp, and a #8 silicone stopper or 40/35 joint glass support base are included in the microfiltration assembly. Funnels are graduated in 25 mL increments from 100 to 250 mL. The prefilter is 35 mm in diameter. 9.6 cm² is the approximate filter area. Produced with 33 expansion, low extractable borosilicate glass that meets the criteria of USP Type I and ASTM E438, Type I, Class A. It is generally used for the analysis of particle or microbiological contamination and is used for general filtration.

Microfiltration Apparatus, 47mm All-Glass, With Fritted Glass Support Base 40/35 joint

- ▶ Designed to help prevent contamination during use
- ▶ Recommended for regular filtration analysis of corrosive liquids and the removal of particulates from HPLC solvents
- ▶ Replaceable Glass Frit 40/35 supports are available
- ▶ Filter size: 47 mm; 3/8" hose connection
- ▶ Recommended when filtering viscous or proteinaceous solutions to give the maximum flow rate
- ▶ Produces an ultra-clean filtrate

Complete Set

- ▶ It includes 300ml, 1000ml Graduated Funnel
- ▶ 1 litre, 2 litre, 4 litre, 5 litre Vacuum Flask with 40/35 Standard Taper Joint
- ▶ 47mm Fritted Glass Support Base with 3/8" hose connection and Aluminum Clamp
- ▶ Graduated Funnel and Glass support base varies according to the application in the laboratory



Catalog No.	Description	Pack Type
258.202.01	Microfiltration Apparatus, 47 mm All-Glass, with Fritted Glass Support Base 40/35 Joint, Glass Funnel, 300 mL, Aluminum Clamp	Each
258.202.03	Microfiltration Apparatus, 47 mm All-Glass, with Fritted Glass Support Base 40/35 Joint, Glass Funnel, 1000 mL, Aluminum Clamp	Each

Replacements Parts

Chemists can choose an individual part available according to their needs. We have a wide range of Glass funnel, Vacuum flask, and fritted glass support in different capacities.



Catalog No.	Description	Pack Type
258.245.01	Glass Funnel, 47mm, Capacity 300mL (PART 1)	Each
258.245.01A	Glass Funnel, 47 mm, Capacity 1000 mL (PART 1)	Each
258.245.02	Aluminum Clamp for 47mm (PART 2)	Each
258.245.03	Fritted Glass Support Base, 47 mm, 40/35 (PART 3)	Each

For all the Accessories related to Vacuum Flasks and Vacuum Bottles, Conical Bottom, Please refer to page no.13.

Microfiltration Apparatus, 47mm, With Glass Support, With Silicone Stopper

- ▶ Includes a 300 mL, 1000 mL graduated funnel, an anodized aluminum clamp, a fritted glass support base with 40–60 micron porosity, and a #8 silicone stopper.
- ▶ The prefilter has a 35 mm size and a 9.6 cm approximate filter area. A #8 silicone stopper is used to connect to our filtration flask, which is available as an accessory.
- ▶ Produced using 33 expansions, low extractable borosilicate glass that satisfies ASTM E438 Type I, Class A and USP Type I specifications.

Micro components are designed for the filtration of aqueous liquids, and also used for the filtration of cell culture media, buffers, or for particulate analysis of water samples.

Complete Set

Complete assembly includes a graduated funnel, aluminum clamp, support base and silicone stopper



Catalog No.	Description	Pack Type
260.202.01	Complete apparatus having, Glass Funnel 300 mL, Glass Fritted Support Base with No. 8 Silicone Stopper, Aluminum Clamp	Each
260.202.02	Complete apparatus having, Glass Funnel 1000 mL, Glass Fritted Support Base with No. 8 Silicone Stopper, Aluminum Clamp	Each

Replacement parts

We have a different range of replaceable and accessory parts to accommodate the various application performed in a lab.



Catalog No.	Description	Pack Type
258.245.01	Glass Funnel 47mm, Capacity 300mL (PART 1)	Each
258.245.01A	Glass Funnel, 47 mm, Capacity 1000 mL (PART 1)	Each
258.245.02	Aluminum Clamp for 47mm (PART 2)	Each
260.245.02	Fritted Glass Support Base, 47 mm, (PART 3)	Each
260.245.05	No. 8 Silicone Stopper, 9/16 (PART 4)	Each

For all the Accessories related to Filtration Flasks and Filtration Flasks, Safety Coated, Please refer to page no. 13

Microfiltration Apparatus, 47mm, With Stainless Steel Support

For the maximum flow rate, the 47mm filtration apparatus, supplied with a 304 stainless steel support screen, a PTFE support screen gasket, a glass support base 40/35 joint. It is ideal for viscous and proteinaceous solutions. This apparatus is also used to produce ultra-clean filtrate since the stainless steel screen will not shed particles into the filtrate.

Complete Set

Complete assembly includes a graduation funnel, aluminum clamp, 304 stainless steel support screen, a PTFE support screen gasket, a glass support base 40/35 joint.



Catalog No.	Description	Pack Type
262.202.01	Microfiltration Assembly, 47 mm, with 304 stainless steel support screen, a PTFE support screen gasket, glass support base 40/35, having 300mL Glass Funnel, Aluminum Clamp	Each
262.202.02	Microfiltration Assembly, 47 mm, with 304 stainless steel support screen, a PTFE support screen gasket, glass support base 40/35, having 1000mL Glass Funnel, Aluminum Clamp	Each

Replacements Parts

We have a different range of replaceable and accessory parts to accommodate the various applications performed in a lab.



Catalog No.	Description	Pack Type
258.245.01	Glass Funnel 47mm, Capacity 300mL (Part No.1)	Each
260.245.01A	Glass Funnel, 47 mm, 1000 mL Capacity (PART 1)	Each
258.245.02	Aluminum Clamp for 47mm (Part No.2)	Each
262.245.04	PTFE Support Screen Gasket, Pkg./25, (1 Supplied) (PART 3)	Each
262.245.03	Stainless Steel Support Screen, 47 mm (PART 4)	Each
262.245.05	Glass Support Base, 47 mm (PART 5)	Each

For all the Accessories related to Vacuum Flasks and Vacuum Bottles, Conical Bottom, Please refer to page no.13.

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Microfiltration Apparatus, 47mm, With Stainless Steel Support, With Silicon Stopper

- ▶ Supplied with a 304 stainless steel support screen, a PTFE support screen gasket, a glass support base, a 300 mL ,1000 mL graduated funnel, an anodized aluminum clamp and a #8 silicone stopper
- ▶ Used for filtering viscous or proteinaceous solutions or to produce ultra-clean filtrate
- ▶ Connection to our filtration flask (available as an accessory) is made with a #8 silicone stopper
- ▶ Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Complete Set

Complete assembly includes a graduation funnel, aluminum clamp, 304 stainless steel support screen, a PTFE support screen gasket, a glass support base and silicone stopper.



Catalog No.	Description	Pack Type
262.202.01	Microfiltration Assembly, 47 mm, with 304 stainless steel support screen, a PTFE support screen gasket, glass support base with Silicone stopper (#8), having 300mL Glass Funnel, Aluminum Clamp	Each
262.202.02	Microfiltration Assembly, 47 mm, with 304 stainless steel support screen, a PTFE support screen gasket, glass support base with Silicone stopper (#8), having 1000mL Glass Funnel, Aluminum Clamp	Each

Replacement parts



Catalog No.	Description	Pack Type
258.245.01	Glass Funnel 47mm, Capacity 300mL (PART 1)	Each
258.245.01A	Glass Funnel, 47 mm, Capacity 1000 mL (PART 1)	Each
258.245.02	Aluminum Clamp for 47mm (PART 2)	Each
262.245.03	Stainless Steel Support Screen, 47 mm (PART 3)	Each
262.245.04	PTFE Support Screen Gasket, Pkg./25, (1 Supplied) (PART 4)	Each
262.245.05	Glass Support Base, 47 mm (PART 5)	Each
260.245.05	No. 8 Silicone Stopper, 9/16 (PART 6)	Each

For all the Accessories related to Filtration Flasks and Filtration Flasks, Safety Coated, Please refer to page no. 13

Duraware complete set of Microfiltration Assembly with 47 mm Fritted Glass Support to fit GL 45 Style Bottle

Filter and store in a single run. Filter holder and flask made of borosilicate glass offers exceptional chemical resistance. Ideal for purifying organic, corrosive liquids, such as solvents and mobile phases for AA, GC, and HPLC analysis.

Complete Set

Set Includes:

- ▶ Glass filter holder 1000 mL
- ▶ Silicon stopper (No.8)
- ▶ Aluminum Clamp
- ▶ Filtration adaptor for GL45 bottle
- ▶ Storage bottle, As an accessory



Catalog No.	Description	Pack Type
260.645.4745	Microfiltration Assembly with Fritted Glass Support 47 mm, 1000 ml Glass Funnel	Each

Replacement Parts for Duraware Microfiltration Assembly to fit GL 45 Media Bottles

Replacement Parts for Microfiltration assembly to fit GL45 Media Bottle, Glass Funnel, Glass Base 47 mm and various other items.



Catalog No.	Description	Pack Type
258.645.01	Glass Funnel, 47 mm, 1000 mL (PART 1)	Each
260.645.01	Aluminum Clamp, 47 mm (PART 2)	Each
260.645.05	Glass Support Base 47 mm(PART 3)	Each
CS-197-GL45	Rubber to fit Adaptor (PART 4)	Each
CS-GL-45A	Adapter For microfiltration assembly to fit GL 45 Style Bottle (PART 5)	Each

For all the Accessories related to Glass Media/Storage Bottles, Please refer to page no. 14

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Scientist and Researchers

Microfiltration Apparatus, 25mm

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

Microfiltration Apparatus, 25mm, With Fritted Glass Support

- ▶ It comes with a 40-60 micron porosity fritted glass support base, a 15 mL graduated glass funnel, an anodized aluminum clamp, and a No. 5 silicone stopper
- ▶ A No. 5 silicone stopper is used to connect to our 125 mL filtration flask (which is available as an accessory).
- ▶ Produced from 33 expansion, low extractable borosilicate glass that meets USP Type I and ASTM E438, Type I, Class A requirements.

Complete Set

Complete assembly includes graduated funnel, aluminum clamp and support base and silicone stopper.



Catalog No.	Description	Pack Type
259.202.01	Complete Microfiltration Assembly, Glass Funnel Capacity 15 mL, Fritted Glass Support 25 mm, with No. 8 Silicone Stopper, Aluminum Clamp	Each

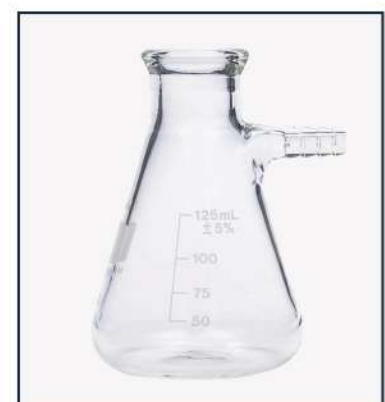
Replacement parts



Catalog No.	Description	Pack Type
259.245.01	Glass Funnel, 25 mm, 15 mL capacity (PART 1)	Each
259.245.03	Anodized Aluminum Clamp, 25 mm (PART 2)	Each
259.245.02	Fritted Glass Support Base, 25 mm (PART 3)	Each
259.245.06	No. 5 Silicone Stopper, (PART 4)	Each

Accessory

Filtration Flask



Catalog No.	Description	Pack Type
259.245.04	Vacuum Filtering Flask 125 mL (PART 5)	Each

Microfiltration Apparatus, 90mm

The vacuum microfiltration assemblies with a diameter of 90 mm are intended for large sample volumes or samples with high particulate loads that would clog a 47 mm diameter filter. For general filtration, the assembly with fritted glass support is used.

Duraware Microfiltration Apparatus, 90mm Glass Support base having Silicone Stopper

- ▶ Filtration rates can be four times faster than with 47 mm filters.
- ▶ The funnel has a capacity of 1000 mL.
- ▶ A #8 silicone stopper is used to connect to our filtration flask (available as an accessory).
- ▶ A 40-60 micron porosity fritted glass support base, a glass funnel, an anodized aluminum clamp, and a #8 silicone stopper are included with the unit.
- ▶ Produced from 33 expansion, low extractable borosilicate glass that meets USP Type I and ASTM E438, Type I, Class A specifications.

Complete Set

Complete assembly includes a graduated funnel, aluminum clamp, support base and silicone stopper.



Catalog No.	Description	Pack Type
263.202.01	Complete apparatus having Glass Funnel 1000 mL, Glass Fritted Support Base 90 mm with No. 8 Silicone Stopper, Aluminum Clamp	Each

Replacement parts

We have a different range of replaceable and accessory parts to accommodate the various applications performed in a lab.



Catalog No.	Description	Pack Type
258.645.01	Glass Funnel, 90 mm, 1000 mL (PART 1)	Each
260.645.01	Aluminum Clamp, 90mm (PART 2)	Each
263.245.02	Fritted Glass Support Base, 90 mm (PART 3)	Each
260.245.05	No. 8 Silicone Stopper, 9/16 (PART 4)	Each

For all the Accessories related to Filtration Flasks and Filtration Flasks, Safety Coated, Please refer to page no. 13

Microfiltration Apparatus, 90mm, With Fritted Glass Support Base, 40/35 Joint

The 90 mm filtration assembly with fritted glass support is intended for large-volume filtration analysis of corrosive liquids or samples with high particulate loads that would clog a 47 mm diameter filter. This unit is also recommended for filtering large volumes of HPLC solvents.

Complete Set

- ▶ The use of ground glass eliminates the risk of phthalate contamination that can occur when using silicone or neoprene stoppers.
- ▶ Each apparatus includes a 1000 mL glass funnel, a fritted glass support base with a porosity of 40-60 microns, an anodized aluminum clamp, and a filtration flask.
- ▶ Produced from 33 expansion, low extractable borosilicate glass that meets the requirements of USP Type I and ASTM E438, Type I, Class A.



Catalog No.	Description	Pack Type
263.202.02	Complete apparatus having, Glass Funnel 1000 mL, Glass Fritted Support Base 90 mm with No. 8 Silicone Stopper, Aluminum Clamp	Each

Replacement parts

Chemists can choose an individual part available according to their needs. We have a wide range of Glass funnel, Vacuum flask, and fritted glass support in different capacities.



Catalog No.	Description	Pack Type
258.645.01	Glass Funnel, 90 mm, 1000 mL (PART 1)	Each
260.645.01	Aluminum Clamp, 90mm (PART 2)	Each
263.345.02	Glass Fritted Support Base 90mm, 40/35 Joint (PART 3)	Each

For all the Accessories related to Vacuum Flasks and Vacuum Bottles, Conical Bottom, Please refer to page no.13.

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Microfiltration Apparatus, 90mm, With Stainless Steel Support 40/35 Joint

- ▶ Because the screen does not shed particles into the filtrate, this unit is also used to produce ultra clean filtrate
- ▶ Each apparatus includes a stainless steel support screen, a glass support base, a 1000 mL funnel, an anodized aluminum clamp, and a filtration flask
- ▶ Produced from 33 expansion, low extractable borosilicate glass that meets USP Type I and ASTM E438, Type I, Class A specifications.

Complete Set

Complete assembly includes a graduation funnel, aluminum clamp, 304 stainless steel support screen, a PTFE support screen gasket, a glass support base 40/35 joint.



Catalog No.	Description	Pack Type
263.202.02-SS	Microfiltration Assembly, 90 mm, with 304 stainless steel support screen, a PTFE support screen gasket, glass support base 40/35, having 1000mL Glass Funnel, Aluminum Clamp	Each

Replacement parts

We have a different range of replaceable and accessory parts to accommodate the various applications performed in a lab.



Catalog No.	Description	Pack Type
258.645.01	Glass Funnel, 90 mm, 1000 mL (PART 1)	Each
260.645.01	Aluminium Clamp, 90mm (PART 2)	Each
262.245.06	PTFE Support Screen Gasket (PART 3)	Each
262.245.07	Stainless Steel Support Screen, 90 mm (PART 4)	Each
262.245.08	Fritted Glass Stainless steel Support Base 90mm, 40/35 Joint (PART 5)	Each

For all the Accessories related to Vacuum Flasks and Vacuum Bottles, Conical Bottom, Please refer to page no.13.

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Microfiltration Apparatus, 90mm, With Stainless Steel Support, With Silicon Stopper

- ▶ Supplied with a 304 stainless steel support screen, a PTFE support screen gasket, a glass support base, a 1000 mL graduated funnel, an anodized aluminum clamp and a #8 silicone stopper
- ▶ Used for filtering viscous or proteinaceous solutions or to produce ultra-clean filtrate
- ▶ Connection to our filtration flask (available as an accessory) is made with a #8 silicone stopper
- ▶ Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Complete Set

Complete assembly includes a graduation funnel, aluminum clamp, 304 stainless steel support screen, a PTFE support screen gasket, and a glass support base and silicone stopper.



Catalog No.	Description	Pack Type
263.202.01-SS	Microfiltration Assembly, 90 mm, with 304 stainless steel support screen, a PTFE support screen gasket, glass support base with Silicone stopper (#8), having 1000mL Glass Funnel, Aluminum Clamp	Each

Replacement parts

Each apparatus is supplied with the replacement parts, funnel, anodized aluminum clamp, stainless steel support screen, PTFE gasket, 90 mm glass support base, and filtration flask according to your needs.



Catalog No.	Description	Pack Type
258.645.01	Glass Funnel, 90 mm, Capacity 1000 mL (PART 1)	Each
260.645.01	Aluminum Clamp for 90mm (Part 2)	Each
260.245.05	No. 8 Silicone Stopper, (Part 6)	Each
263.245.02	Glass Support Base 90 mm (PART 5)	Each
262.245.07	Stainless Steel Support Screen, 90 mm (PART 3)	Each
262.245.06	PTFE Support Screen Gasket, Pkg./25, (PART 4)	Each

For all the Accessories related to Filtration Flasks and Filtration Flasks, Safety Coated, Please refer to page no. 13

Accessories

Vacuum Flask

Chemists can choose an individual part available according to their needs. We have a wide range of Glass funnel, Vacuum flask, and fritted glass support in different capacities.



Catalog No.	Description	Pack Type
258.245.04	Vacuum Flask, Capacity 1000mL, 40/35 Joint	Each
258.245.06	Vacuum Flask, Capacity 2000ml, 40/35 Joint	Each
258.245.05	Vacuum Flask, Capacity 4000mL, 40/35 Joint	Each
258.245.07	Vacuum Flask, Capacity 5000 mL 40/35 Joint	Each

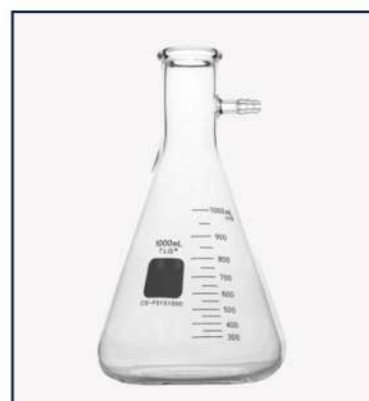
Vacuum Bottle, Conical Bottom

TLG Ground Joint Flask for Vacuum Filtration, with Conical Bottom, and 40/35 joint



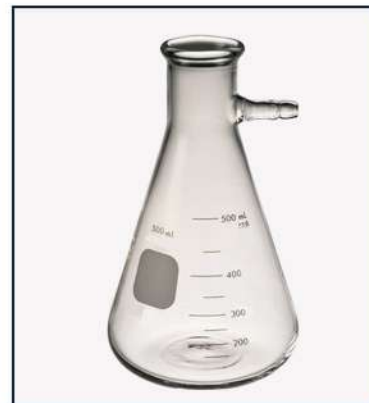
Catalog No.	Description	Capacity	Pack Type
258.245.06A	Vacuum Flask , Capacity 2000 mL 40/35 Joint	2000 ml	Each
258.245.07A	Vacuum Flask, Capacity 5000 mL 40/35 Joint	5000 ml	Each

Filtration Flask



Catalog No.	Description	Pack Type
260.245.04	Filtration Flask, 1000 mL Capacity, No. 8 Stopper Joint	Each
260.245.07	Filtration Flask, 2000 mL Capacity, No. 8 Stopper Joint	Each
260.245.08	Filtration Flask, 4000 mL Capacity, No. 8 Stopper Joint	Each
260.245.09	Filtration Flask, 6000 mL Capacity, No. 8 Stopper Joint	Each

Filtration Flask, Safety Coated



Catalog No.	Description	Pack Type
260.245.04C	Filtration Flask, 1000 ml Safety Coating, Stopper No. 8	Each
260.245.07C	Filtration Flask, 2000 ml Safety Coating, Stopper No.9	Each
260.245.08C	Filtration Flask, 4000 ml, Safety Coating, Stopper no 12	Each
260.245.09C	Filtration Flask, 6000 ml, Safety Coating, Stopper no.12	Each

Glass Media Bottles



Catalog No.	Description	Pack Type
274.202.04	Glass Media/Storage Bottles, Clear, 1000 mL, GL-45, Blue caps	Each
274.202.05	Glass Media/Storage Bottles, Clear, 2000 mL, GL-45, Blue caps	Each
274.202.06	Glass Media/Storage Bottles, Clear, 5000 mL, GL-45, Blue caps	Each
274.202.07	Glass Media/Storage Bottles, Clear, 10000 mL, GL-45, Blue caps	Each
274.202.08	Glass Media/Storage Bottles, Clear, 20000 mL, GL-45, Blue caps	Each

Sati International Scientific Inc.

965 Reverchon St-Laurent ,(Quebec) Canada H4T 4L2
Toll Free : 1 (833) 636-7850 | sales@satiinternational.com
www.satiinternational.com