СИСТЕМА ФИЛЬТРАЦИИ STERIFIL

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70
Казахстан +7(7172)727-132
Киргизия +996(312)96-26-47

https://millipore.nt-rt.ru || mailto:mer@nt-rt.ru

Sterifil® Aseptic System, 250 mL

Introduction

The Sterifil® 47 mm Aseptic System funnels are designed for vacuum filtration of liquids for particulate or biological analysis. Based on membrane filter selection, the Sterifil® products can be used for a variety of applications including bioburden monitoring and enumeration of organisms in samples. Three configurations are available:

- The Sterifil® Aseptic System (Sterifil® system) is a closed unit designed to protect the sample and filtrate from contamination. It consists of a funnel with cover, 47 mm filter holder with support screen, silicone stopper, and receiver flask with cover. The system also includes two 13 mm Swinnex® filter holders for venting in both aseptic and nonsterile applications.

  NOTE: The funnel cover on the Sterifil® system and 250 mL Sterifil® filter holder has four female Luer ports that can be used for both sample introduction and venting. Any male Luer-compatible fitting (e.g., syringe, tubing adapter, valve, etc.) can be inserted into these ports.

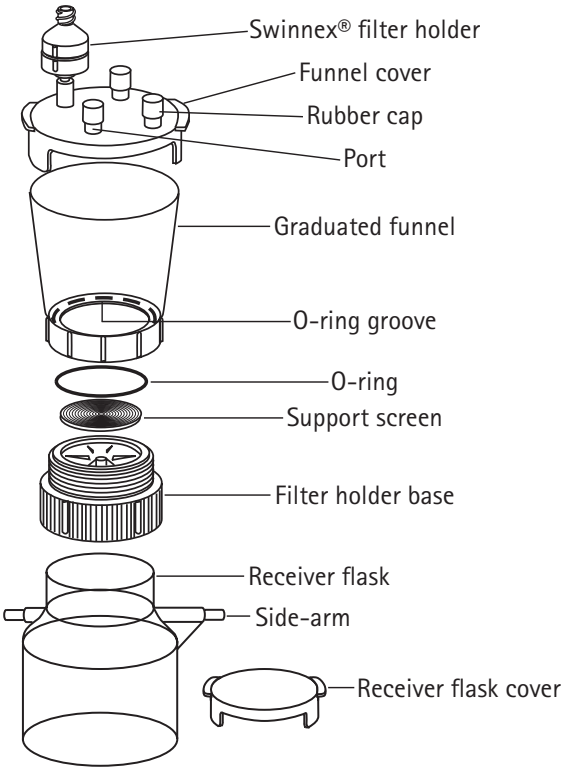
- The Sterifil® 47 mm Filter Holder (250 mL funnel size) has the same funnel configuration as the Sterifil® Aseptic System, but is designed to be used with a vacuum flask or manifold.

- The Sterifil® 47 mm Filter Holder (500 mL funnel size) has no funnel cover and is for use with a vacuum flask or manifold.

The Sterifil® Aseptic System can be sterilized and used in aseptic filtration applications.

NOTE: The 500 mL funnel Sterifil® 47 mm Filter Holder is not designed for use in aseptic filtration applications.

Diagram of the Sterifil® Aseptic System



Additional Equipment Required to Use the Sterifil® System

- 47 mm filter appropriate for your application; see the product catalogue for options
- 13 mm hydrophobic Durapore® or Fluoropore™ 0.2 µm membrane filter for venting during aseptic filtration or 13 mm glass fiber filter for venting during nonsterile filtration.
- Sterile or laboratory grade water
- Ethanol, 70%
- Filter forceps (cat. no. XX6200006P), hypodermic syringes (2), rubber gloves, nonabsorbent cotton
- Autoclave pouch, autoclave paper, or nonwoven high density polyethylene (HDPE) material
- Standard 1 liter vacuum filtering flask (cat. no. XX1004705) or a filtering manifold (refer to Ordering Information); required only if using a 250 or 500 mL Sterifil® 47 mm Filter Holder
- Vacuum source, either house vacuum or a portable vacuum pump, and appropriate tubing.

  NOTE: If you are performing aseptic filtration and want to protect the downstream side of the filter from contamination when vacuum is relieved, a sterile filter and bleeder valve may be added to your the vacuum line. Contact Technical Service for additional information.

Chemical Compatibility

Do not use Sterifil® products with strong acids or bases (pH < 2 or > 10), ketones (including acetone), aromatic hydrocarbons (including toluene), halogenated hydrocarbons, dimethyl formamide, aliphatic esters, dimethyl sulfoxide, and polar aromatics.

Maintenance of the Sterifil® System or Sterifil® Filter Holder

Disassemble and clean the Sterifil® system or filter holder immediately after use to ensure optimum performance.

1. Disassemble the filter holder completely, carefully removing O-ring with forceps. Disassemble the 13 mm Swinnex® filter holder if used. Inspect all components for signs of damage. Debris embedded in surfaces can sometimes be dislodged without injuring the surface, but it is preferable to replace the damaged component.

   NOTE: To remove the membrane support screen (13 or 47 mm) for more thorough cleaning, insert a small diameter blunt probe through the outlet opening of the filter holder base and push the support screen out. Replacement support screens are available for the 47 mm filter holders. Refer to the Ordering Information section.

2. Clean all components thoroughly with a sponge, hot water, and a nonabrasive laboratory detergent. Scrub threaded parts, recesses, and orifices with a plastic bristle brush and use a pipe cleaner to remove contaminants from orifices.

   CAUTION: To avoid component damage, never use abrasive materials on any part of the filter holder.

Specifications

Sterifil® filter diameter	47 mm
Sterifil® prefilter diameter	47 mm (membrane prefilter) or 42 mm (thick depth prefilter)
Swinnex® filter diameter	13 mm
Effective filter area	Sterifil® system: approximately 14.7 cm^2 (2.3 in^2) Sterifil® 250 mL filter holder: approximately 14.7 cm^2 (2.3 in^2) Sterifil® 500 mL filter holder: approximately 14.2 cm^2 (2.2 in^2) Swinnex® 13 mm filter holder: approximately 0.8 cm^2 (0.1 in^2)
Sterifil® funnel and bottle capacity	Sterifil® system funnel and bottle: 250 mL each Sterifil® 250 mL filter holder funnel: 250 mL Sterifil® 500 mL filter holder funnel: 500 mL
Dimensions (approximate)	Sterifil® system, 250 mL System height (with cap, excluding Swinnex® filter holder): 20.6 cm (8.1 in.) Filter holder height (with cap, excluding Swinnex® filter holder): 13.3 cm (5.2 in.) Filter holder diameter (with cap): 8.6 cm (3.4 in.) Receiver flask height (with cap): 9.4 cm (3.7 in.) Receiver flask diameter (excluding side-arms): 8.4 cm (3.3 in.)
	Sterifil® 250 mL filter holder Filter holder height (with cap, excluding Swinnex® filter holders): 13.3 cm (5.2 in.) Filter holder diameter (with cap): 8.6 cm (3.4 in.)
	Sterifil® 500 mL filter holder Height: 21.3 cm (8.4 in.) Diameter: 8.5 cm (3.3 in.)
Temperature limit	150 °C (302 °F)
Materials of construction	Sterifil® funnel, receiver flask, covers: Polysulfone Sterifil® filter holder base and support screen: Polypropylene Sterifil® O-ring and stopper: Silicone Port caps: Natural rubber Swinnex® 13 mm filter holder: Polypropylene Swinnex® 13 mm filter holder gasket: Silicone
Connections	Sterifil® system only: Side-arm ports on the receiver flask accept either 1/4 in. (6.4 mm) inner diameter tubing or male Luer connection (for vacuum and drain or vent). Sterifil® system and Sterifil® 250 mL funnel cover: Female Luer ports are used as aseptic inlets and for venting, and accept a male Luer connection or supplied rubber caps.
Pressure	Vacuum only, maximum 27.5 in. (700 mm) Hg

Ordering Information

This section lists catalogue numbers for the Sterifil® Aseptic System, Sterifil® 47 mm Filter Holder (250 mL), and Sterifil® 47 mm Filter Holder (500 mL). See the Technical Assistance section for contact information. You can purchase these products on-line at www.millipore.com/products.

Product Description	Cat. No.	Qty/Pk
Sterifil® Aseptic System, 47 mm	XX1104700	1
Sterifil® 47 mm Filter Holder, 250 mL	XX1104710	1
Sterifil® 47 mm Filter Holder, 500 mL	XX11J4750	1

Replacement Parts

Glass fiber prefilter, 13 mm	AP2501300	100
Durapore® 0.22 µm hydrophobic filter, 13 mm	GVHP01300	100
Fluoropore™ 0.2 µm hydrophobic filter, 13 mm	FGLP01300	100
Swinnex® 13 mm Filter Holder	SX0001300	10
Swinnex® 13 mm silicone gaskets	SX0001301	100
Sterifil® filter holder base with support screen	XX1104702	1
Sterifil® funnel cover	XX1104703	1
Sterifil® funnel	XX1104704	1
Sterifil® receiver flask	XX1104705	1
Sterifil® receiver flask cover	XX1104706	1
Silicone O-ring (for XX1104700 and XX1104710 only) **NOTE:** Replacement O-ring for XX11J4750 is size P41 and can be purchased from a local O-ring supplier.	XX1104707	10
Port caps, rubber	XX1104711	100
Support screen for 47 mm filter holder	XX1104715	1
Stopper, size 8, with 9.5 mm (0.375 in.) hole, silicone	XX2004718	5

Accessories

Vacuum filtering flask, 1 liter	XX1004705	1
Filter forceps, stainless steel, blunt end	XX6200006P	3
Tubing, 3/16 in. (4.8 mm) ID x 4.6 ft (140 cm), silicone	XX7100004	1
Hand vacuum pump, polypropylene	XKEM00107	1
EZ-Fit® Manifold, 3-place, stainless steel (lower profile)	EZFITL0W03	1
EZ-Fit® Manifold, 6-place, stainless steel (lower profile)	EZFITL0W06	1
EZ-Fit® Manifold, 3-place, stainless steel (higher profile)	EZFITH0LD3	1
EZ-Fit® Manifold, 6-place, stainless steel (higher profile)	EZFITH0LD6	1
Filter Holder Manifold, 6-place, stainless steel	XX2504700	1
Filter Holder Manifold, 3-place, stainless steel	XX2504735	1
Filter Holder Manifold, 3-place, polyvinyl chloride	XX2604735	1

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70
Казахстан +7(7172)727-132
Киргизия +996(312)96-26-47

https://millipore.nt-rt.ru || mailto:mer@nt-rt.ru