Лабораторные фильтрационные изделия, продукты для технологической фильтрации

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Process Filtration Products

Process filtration is a simple technique for purification of liquids and gases. We offer a wide selection in filter media and filter housings to suit many applications. When selecting a process filtration system for your application, consider the following: the filter membrane size; the filter chemical compatibility to the membrane with the liquid or gas to be filtered; the chemical resistance properties of all the parts that will contact the filtrate; and the filter housing style in terms of temperature, flow rate, throughput, and sterilization needs.

Cole-Parmer VapLock™ Filter for VOC Vapors Inside Safety Cabinet; 2/pk

Cole-Parmer – Item # EW-12021-10

No ReviewsWrite the First Review

Reduce harmful VOC vapors inside your safety cabinet

- Adsorb VOC from cabinets storing flammable liquids
- Flexible placement anywhere in cabinet with high strength magnets
- Date notation area on label serves as a reminder of replacement

Specifications & Description

- Width (InchShort)2 1/4
- Height (in)8 3/4
- Housing MaterialStainless steel
- SterileNo
- ConnectionsMagnet
- DescriptionFilter for VOC Vapors Inside Safety Cabinet; 2/pk

MORE ABOUT THIS ITEM

The exhaust filter reduces harmful flammable VOC vapors found inside of safety cabinets. The filter is constructed of activated carbon medium and is contained in a stainless steel mesh cartridge. The filter features a strong 4” x 5.5” (10.2 x 13.9 cm) magnetic base to place anywhere within the cabinet. A date notation label is located on the bottom of the magnet as a reminder for replacement. The lifecycle of the filter varies upon your application.

Centrifugal Devices and Filters

We offer centrifugal devices and filters for many applications. Choose filters or filter units for concentrating and purifying proteins, antibodies and nucleic acids (alternative to EtOH precipitation), desalting and buffer exchange, and removal of primers, linkers,and unincorporated labels. Or select an ultrafiltration unit to concentrate, separate, and purify your biological samples without a centrifuge.

Cole-Parmer® Sterile Air-Lock Free Cell Strainer Kits

COLE-PARMER

Reduce straining time by eliminating the “air-lock” effect

- Designed to help isolate cells and remove debris and clumps
- Preassembled into ready-to-use, sterilized package to reduce contamination
- Color-coded housing helps differentiate sizes
- Superior ventilation prevents clogging and spillovers
- RNase, DNase, pyrogen and cytotoxin free

The Cole-Parmer® Essentials air-lock free cell strainer kits provide a fast and easy-to-use solution for detaching, isolating, and straining cells from clusters and tissues. The advanced housing enhances performance and reduces processing time by eliminating the “air-lock” effect. Improved aeration allows air to escape while filtrate is entering the tube, preventing messy spillovers. The kit provides all the necessary parts for filtration of cell suspensions and combines them into a single, preassembled, ready-to-use, sterile package. These kits eliminate the contamination risks associated with opening multiple packages and assembling separate pieces. Each kit contains a cell strainer pre-attached to a sterile 50 mL tube, with a separate sterile screw cap ready for

assembly, processing, and storage after the filtration is complete.

The polypropylene frame supports a nylon mesh that is available in three color-coded porosities— blue 40 µm, white 70 µm, and blue 100 µm. The molded grip ensures aseptic handling and eliminates the contamination risks associated with fingers contacting the filtered suspension, mesh, or interior surfaces.

item	Color	Pore Size (µm)	Tube Size (mL)
 EW-06337-05	Blue	40	50
 EW-06337-06	White	70	50
 EW-06337-07	Yellow	100	50

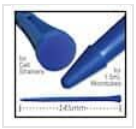
Cole-Parmer® Air-Lock Free Cell Strainer Accessories

COLE-PARMER

Optimize performance of your Cole-Parmer® Essentials air-lock free cell strainers

- Accessories for air-lock free cell strainers designed to help isolate cells and remove debris and clumps
- Gamma sterilized and individually wrapped to prevent sample contamination

Convenient replacement parts and accessories for your Cole-Parmer® Essentials air-lock free cell strainers and cell strainer kits.

item	Color	Sterile	Description
 EW-06337-00	Blue	Yes	Double-Sided Pestle for Cell Strainers, Sterile, Individually Wrapped; 50/Pk

item	Color	Sterile	Description
 EW-06337-01	Clear	Yes	Cell Strainer Reducing Adapter for 5mL and 15 mL Tubes, Sterile; 25/Pk

Cole-Parmer Pestle for Cell Strainer, Sterile, Polypropylene, Individually Wrapped, 5.5" L; 50/Cs

Cole-Parmer – Item # EW-01959-18

Specifications & Description

- MaterialPolypropylene
- ColorGreen
- Compatible WithAll Cell Strainers
- Length (InchShort)5.5
- Length (cm)14
- DescriptionPestle for Cell Strainer, Sterile, Polypropylene, Individually Wrapped, 5.5" L; 50/Cs

STERILE

KEY FEATURES

- Pestle design improves manipulation of material in the strainer during use
- Sterilized by gamma irradiation
- DNase-& RNase-free
- Non-pyrogenic
- Convex pestle head with textured surface helps manipulate material in the cell strainer
- 5.5" L for convenient hand manipulation

MORE ABOUT THIS ITEM

The Cole-Parmer® Essentials pestle features a convex head with molded textured surface to better direct slippery material in the cell strainer. The 5.5” length allows for convenient and ergonomic hand manipulation, providing a faster, easier cell straining process. Pestles are supplied sterile (gamma irradiation) and come individually wrapped.
Pestles are supplied sterile (gamma irradiation) and come individually wrapped.

Cole-Parmer® Cell Strainers, Sterile, DNase and RNase Free

COLE-PARMER

Secure single-cell suspensions and remove debris

- Pair directly with your 50-mL centrifuge tubes
- Color-coded frames help differentiate sizes
- Extended tab makes handling easy
- Individually packaged and gamma sterilized
- DNase-& RNase-free
- Non-pyrogenic

These Cole-Parmer® Essentials cell strainers are sterile, DNase- and RNase free, and non-pyrogenic, ideal for protecting your valuable flow cytometry and cell sorting instrumentation. Cell strainers are easy-to-use devices for isolating primary cells to consistently obtain a uniform single-cell suspension from tissues. Reliably remove clumps and debris from cell suspensions and clinical samples prior to analysis. Simply put cell strainer directly on 50 mL centrifuge tube for easy, immediate filtration.

Cell strainers are constructed from a strong nylon mesh with evenly spaced mesh pores and a durable polypropylene frame. Color-coded frames made for quick identification of different pore sizes. The extended lip on the strainer enables aseptic handling with forceps.

item	Color	Membrane Material	Pore Size (micron)
 EW-04396-00	Blue	Nylon	40
 EW-04396-01	White	Nylon	70

item	Color	Membrane Material	Pore Size (micron)
 EW-04396-02	Yellow	Nylon	100

Cole-Parmer VapLock™ Filter for VOC Vapors Inside Safety Cabinet; 2/pk

Cole-Parmer – Item # EW-12021-10

No ReviewsWrite the First Review

Reduce harmful VOC vapors inside your safety cabinet

Specifications & Description

- Width (InchShort)2 1/4
- Height (in)8 3/4
- Housing MaterialStainless steel
- SterileNo
- ConnectionsMagnet
- DescriptionFilter for VOC Vapors Inside Safety Cabinet; 2/pk

MORE ABOUT THIS ITEM

The exhaust filter reduces harmful flammable VOC vapors found inside of safety cabinets. The filter is constructed of activated carbon medium and is contained in a stainless steel mesh cartridge. The filter features a strong 4” x 5.5” (10.2 x 13.9 cm) magnetic base to place anywhere within the cabinet. A date notation label is located on the bottom of the magnet as a reminder for replacement. The lifecycle of the filter varies upon your application.

Laboratory Filtration Products

Laboratory filtration is one of the most important lab techniques used to obtain precise results. We have a full line of premium filtration supplies for your laboratory filtration objectives. From lab filters to filter paper to membranes, our laboratory filtration products are designed for your bench-scale batch applications.

Cole-Parmer® Sterile Air-Lock Free Cell Strainers

COLE-PARMER

Reduce straining time by eliminating the “air-lock” effect

- Designed to help isolate cells and remove debris and clumps
- Color-coded housing helps differentiate sizes
- Superior ventilation prevents clogging and spillover
- Interlocking and stackable
- RNase, DNase, pyrogen and cytotoxin free
- Gamma sterilized and individually packed to reduce contamination

The Cole-Parmer® Essentials air-lock free cell strainers provide a fast and easy-to-use solution for detaching, isolating, and straining cells from clusters and tissues. The advanced housing enhances performance and reduces processing time by eliminating the “air-lock” effect. Improved aeration allows air to escape while filtrate is entering the tube, preventing messy spillovers.

The polypropylene frame supports a nylon mesh that is available in three color-coded porosities— blue 40 µm, white 70 µm, and blue 100 µm. The molded grip ensures aseptic handling and eliminates the contamination risks associated with fingers contacting the filtered suspension, mesh, or interior surfaces. The sterile strainer can easily be removed from the special blister packaging without touching its interior surface or mesh.

These cell strainers can be directly attached to the top of a 50 mL tube or attached to the reducing adapter that attaches to 5- or 15-mL tubes. Built-in support tabs and four 1.5 mm feet are designed to fit in a 6-well plate.

item	Color	Pore Size (µm)	Description
 EW-06337-02	Blue	40	Air-Lock Free Cell Strainer, Sterile, Individually Wrapped, Blue, 40 µm; 50/Pk
 EW-06337-03	White	70	Air-Lock Free Cell Strainer, Sterile, Individually Wrapped, White, 70 µm; 50/Pk
 EW-06337-04	Yellow	100	Air-Lock Free Cell Strainer, Sterile, Individually Wrapped, Yellow, 100 µm; 50/Pk

Capsules and In-Line Filters

Capsules and in-line filters are designed for filtering certain gases or liquids. Choose from disposable or reusable filters for general or specialty uses. When selecting a filter consider the filter media, chemical compatibility, airflow rates, water flow rates, if you need sterile filters, filtration area, filter dimensions, and pore size depending on your application. We have capsule filters and in-line filters for a variety of industries including biotech, and food and beverage

Cole-Parmer® Disposable In-Line Gas/Liquid Filters

Choose opaque KYNAR® PVDF for the best chemical compatibility or transparent nylon for lower cost

- Max differential pressure for all filters is 40 psi (60 psi for 0.01 µm units)
- Max temperature at 0 psi: nylon is 230°F; stainless steel & KYNAR PVDF are 250°F

Filter gases or liquids with these microfiber filters. All models have a borosilicate glass filter membrane. See table below for applications and efficiency ratings. Liquid efficiency ratings are 98% of retention of particles of noted size; gas efficiency ratings are percentage retention of 0.01 µm particles.

item	Housing Material	Description
 EW-02908-40	PVDF	In-Line Gas/Liquid Filters, 93%/25 um, PVDF, 1/4" OD; 5/Pk

item	Housing Material	Description
 EW-02908-50	PVDF	In-Line Gas/Liquid Filters, 98%/8 um, PVDF, 1/4" OD; 5/Pk
 EW-02908-60	PVDF	In-Line Gas/Liquid Filters, 99.99%/2 um, PVDF, 1/4" OD; 5/Pk
 EW-02908-62	Nylon	Disposable In-Line Gas/Liquid Filters; Nylon w/ carbon granules, 99% gas, 10/pk
 EW-02908-66	Nylon	Disposable In-Line Gas/Liquid Filters; Nylon w/ Na- & Ca-OH, 99% gas, 10/pk

item	Housing Material	Description
 EW-02908-80	PVDF	In-Line Gas/Liquid Filters, 99.9999+%/0.9 um, PVDF, 1/4" OD; 5/Pk
 EW-02908-90	PVDF	Disposable In-Line Gas/Liquid Filters; PVDF; liquid efficiency, 0.3µ; 5/pack
 EW-02909-10	Nylon	In-Line Gas/Liquid Filters, 93%/25 um, Nylon, 1/4" OD; 5/Pk
 EW-02909-15	Nylon	In-Line Gas/Liquid Filters, 93%/25 um, Nylon, 1/4 to 3/8" ID; 10/Pk

item	Housing Material	Description
 EW-02909-17	Nylon	In-Line Gas/Liquid Filters, 93%/25 um, Nylon, 1/2" OD; 1/Pk
 EW-02909-20	Nylon	Disposable In-Line Gas/Liquid Filters; Nylon; liquid efficiency, 8µ; 5/pack
 EW-02909-30	Nylon	In-Line Gas/Liquid Filters, 99.99%/2 um, Nylon, 1/4" OD; 5/Pk
 EW-02909-35	Nylon	In-Line Gas/Liquid Filters, 99.99%/2 um, Nylon, 1/4 to 3/8" ID; 10/Pk

item	Housing Material	Description
 EW-02909-37	Nylon	In-Line Gas/Liquid Filters, 99.99%/2 um, Nylon, 1/2" OD; 1/Pk
 EW-02909-40	Nylon	Disposable In-Line Gas/Liquid Filters; Nylon, 99.99% gas, 2 um liquid, 5/pk
 EW-02909-50	Nylon	In-Line Gas/Liquid Filters, 99.9999+%/0.9 um, Nylon, 1/4" OD; 5/Pk
 EW-02909-55	Nylon	In-Line Gas/Liquid Filters, 99.9999+%/0.9 um, Nylon, 1/4 to 3/8" ID; 10/Pk

item	Housing Material	Description
 EW-02909-60	Nylon	In-Line Gas/Liquid Filters, 99.9999+%/0.3 um, Nylon, 1/4" OD; 5/Pk
 EW-02917-60	Nylon	Disposable In-Line Gas/Liquid Filters; Nylon; gas efficiency; 100% at 0.01µ

Cole-Parmer 25H-1703-CP Vent Filter, 50 mm, 0.2 um, Gamma Safe; 25/Cs

Cole-Parmer – Item # EW-06063-11

No ReviewsWrite the First Review

Ideal for hydrophobic venting and solvent filtration applications

- Complies with USP Class VI standards
-

Specifications & Description

- Membrane MaterialPTFE
- Housing MaterialPolypropylene (PP)
- Pore Size (µm)0.2
- Filter Diameter (mm)50
- DescriptionCarboy Vent Filter, 50 mm, 0.2 um, Gamma Safe; 25/Cs

MORE ABOUT THIS ITEM

The non-sterile vent filters feature a polypropylene housing with a 0.2 µm hydrophobic PTFE membrane—ideal for maintaining purified water storage in carboys or for sterile venting during a slow exhaust/liquid autoclave cycle of EZgrip™ carboys. They can withstand up to 10 autoclave cycles, feature a stepped hose barb, and are available in 40 mm gamma safe or 50 mm autoclave only membrane sizes.

Cole-Parmer® Disposable Bottletop Aspirators

COLE-PARMER

Save time with presterilized disposable filtration units

- Individually wrapped for sterility
- Easy-pouring large cap on reservoir
- Graduations on funnel and reservoir for improved accuracy
- Hose connector fits multiple hose diameters

Disposable bottletop aspirators provide a complete vacuum filtration solution for your separation and purification needs. Intended for the sterile vacuum filtration of aqueous solutions such as cell culture media and biological fluids.

All units come presterilized by gamma irradiation and certified nonpyrogenic, and are individually wrapped in easy-to-open packages. The large openings on the reservoir and funnel make for easy access. The housing (cup, bottle, and lid) are made of clear polystyrene for easy viewing. The filter tip is constructed of polypropylene, while the joint connector is made of Acrylonitrile Butadiene Styrene (ABS) and the cap material is High-Density Polyethylene (HDPE).

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item	Capacity (mL)	Membrane Material	Pore Size (µm)
 EW-07630-01	150	Polyethersulfone (PES)	0.22
 EW-07630-02	250	Polyethersulfone (PES)	0.22
 EW-07630-03	150	Polyethersulfone (PES)	0.45

item	Capacity (mL)	Membrane Material	Pore Size (μm)
 EW-07630-06	500	Polyethersulfone (PES)	0.22
 EW-07630-10	1000	Polyethersulfone (PES)	0.22
 EW-07630-22	250	Polyvinylidene fluoride (PVDF)	0.22
 EW-07630-24	250	Polyvinylidene fluoride (PVDF)	0.45

item	Capacity (mL)	Membrane Material	Pore Size (µm)
 EW-07630-26	500	Polyvinylidene fluoride (PVDF)	0.22
 EW-07630-28	500	Polyvinylidene fluoride (PVDF)	0.45
 EW-07630-30	1000	Polyvinylidene fluoride (PVDF)	0.22
 EW-07630-32	1000	Polyvinylidene fluoride (PVDF)	0.45

item	Capacity (mL)	Membrane Material	Pore Size (μm)
 EW-07630-62	250	Nylon	0.22
 EW-07630-64	250	Nylon	0.45
 EW-07630-66	500	Nylon	0.22
 EW-07630-68	500	Nylon	0.45

item	Capacity (mL)	Membrane Material	Pore Size (µm)
 EW-07630-93	500	Polyethersulfone (PES)	0.22
 EW-24406-68	250	Surfactant-Free Cellulose Acetate (SFCA)	0.22
 EW-24406-69	250	Surfactant-free Cellulose Acetate (SFCA)	0.45
 EW-24406-70	500	Surfactant-Free Cellulose Acetate (SFCA)	0.22

item	Capacity (mL)	Membrane Material	Pore Size (μm)
 EW-24406-71	500	Surfactant-free Cellulose Acetate (SFCA)	0.45
 EW-24406-72	1000	Surfactant-Free Cellulose Acetate (SFCA)	0.22
 EW-24406-73	1000	Surfactant-free Cellulose Acetate (SFCA)	0.45

Pressure Filtration

Pressure filtration holders maximize flow rates in membrane filtration applications by applying positive pressure to the fluid over a broad membrane surface. Pressure filtration holders are available in 304 and 316 stainless steel. We also offer pressure vessels, in-line filter holders, and stirred cells

Cole-Parmer® Vacuum Filtration Holders

Zoom Image

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COLE-PARMER

Optimize your vacuum filtration process

- Model 02923-20 meets EPA specifications for Hazardous Waste Toxicity Test
- Autoclavable
- Supplied with an aluminum clamp and a silicone rubber stopper

No. 5 stoppers fit standard 125-mL flasks; no. 8 stoppers fit 1-L flasks. Order no. 8B stopper 02924-02 separately at right to fit filter holders 02920-00 and 02921-00 to manifolds above. Filter holder 02923-10 is ideal for sterility testing of antibiotics and pharmaceuticals by bacteria retentive method described in USP XXI. This model includes funnel, filter base, aluminum clamp, and stopper. Model 02923-20 with sintered-glass membrane support meets EPA specifications for use in the Hazardous Waste Toxicity Test. Holder 02923-00, with stainless steel (SS) membrane support, provides ultraclean filtrate—screen does not shed particles.

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item	Diameter (mm)	Funnel Size (mL)	Membrane Support
 EW-02920-00	25	100	Sintered Glass
 EW-02921-00	25	15	Sintered Glass
 EW-02923-00	47	300	Stainless Steel

item	Diameter (mm)	Funnel Size (mL)	Membrane Support
 EW-02923-10	47	300	Sintered Glass
 EW-02923-20	47	300	Sintered Glass
 EW-02923-30	90	1000	Sintered Glass

In-Line and Syringe Filter Holders

In-line and syringe filter holders are available in various materials and sizes. Use PFA in-line holders with chemically-aggressive liquids. Select polycarbonate filter holders for aqueous solutions. Polypropylene (PP) holders are ideal for ultra-cleaning and sterilizing liquids under pressure, or for aseptic sampling of liquids and gases. We have a filter holder to meet your needs.

Cole-Parmer® Polypropylene Filter Holders

- COLE-PARMER

  Reusable filter holders with no tear design save time and money

- Constructed of durable polypropylene for enhanced pressure and temperature applications
- Efficiently assemble holders without membrane tears
- Ideal for ultra-cleaning and sterilizing liquids under pressure, or for aseptic sampling of liquids and gases
- Autoclavable
  These polypropylene (PP) filter holders assemble quickly and efficiently with a specially designed inlet cap and exterior lock. This allows for ease of use without damaging or tearing membranes.

  Suitable for use with liquids and gases these holders feature a maximum operating temperature (liquids) of 176°F (80°C). The 25-mm holder has a maximum operating pressure of 42 psi (2.9 bar) and 71 psi (4.8 bar) for the 47-mm holder. Both are autoclavable.

item	Filter Diameter (mm)	Inlet Connection	Outlet Connections
 EW-06623-52	47	Female luer-slip	Male luer-slip
 EW-06623-62	25	Female luer slip	Male luer slip

Filter Papers

Filter papers, or membranes, come in various grades depending on the application. When selecting a filter paper, determine the particle size to be retained or filtered. Assess the chemical compatibility of the membrane with the liquid or gas to be filtered. Depending on the procedure performed, the filter paper color and surface pattern may be important.

Cole-Parmer® Ashless Filter Papers

COLE-PARMER

Perfect for gravimetric analysis or sample preparation

- High-purity, acid-washed filters with high wet strength
Grade 94 filters are fine retention filters for analysis of fine particles such as barium sulfates, lead sulfates, stannic or nickel sulfide, calcium oxalate, and calcium fluoride. Grade 74 filters are well-suited for general filtration such as analysis of clay, copper, bismuth, silicon, and iron. Grade 54 filters are ideal for filtration of coarse or gelatinous precipitate, namely iron, zirconium, or aluminum hydroxides, and cobalt sulfide. Sold 100/pk.

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-30	240	10	Grade 54
 EW-06648-31	185	1.5	Grade 94

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-32	150	10	Grade 54
 EW-06648-33	150	2	Grade 74
 EW-06648-35	90	10	Grade 54
 EW-06648-36	110	1.5	Grade 94

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-38	125	10	Grade 54
 EW-06648-39	110	10	Grade 54
 EW-06648-41	55	10	Grade 54
 EW-06648-42	125	1.5	Grade 94

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-43	150	1.5	Grade 94
 EW-06648-48	90	2	Grade 74
 EW-06648-49	185	10	Grade 54
 EW-06648-51	125	2	Grade 74

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-52	90	1.5	Grade 94
 EW-06648-53	110	2	Grade 74
 EW-06648-54	185	2	Grade 74
 EW-06648-56	42.5	1.5	Grade 94

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-57	42.5	2	Grade 74
 EW-06648-58	240	2	Grade 74
 EW-06648-59	55	2	Grade 74
 EW-06648-69	42.5	10	Grade 54

item	Diameter (mm)	Pore Size (micron)	Description
 EW-06648-79	240	1.5	Grade 94

Cole-Parmer® High-Purity Micro-Quartz Filter Sheets

The right choice for testing hot stack gases and filtration demanding high purity media

- Ideal for low particle levels
- Made of extremely pure micro-quartz fibers
  Laboratories and other stringent environments can count on the purity of these binder-free filter sheets, which have been conditioned by high temperature preheating. Grade MK 5 sheet is suitable for air monitoring applications in high temperatures, aggressive atmospheres and when low levels of trace elements are essential. Grade MK 360 sheet featuring 100% quartz microfibers is for applications with even higher temperatures (500 to 900°C) demanding extremely low levels of trace elements.

item	Sheet Length (in)	Sheet Width (in)	Description
EW-06648-85	10	8	Grade MK5 High-Purity Quartz Filter Sheet, 8" x 10", 932°F (500°C); 25/Pk
EW-06648-86	10	8	Grade MK360 High-Purity Quartz Filter Sheet, 8" x 10", 1652°F (900°C); 25/Pk

Cole-Parmer® Hardened-Ashless Filter Paper

Fast-filtering grade is ideal for gravimetric analysis of coarse particles

- Suited to collecting wet precipitates

- Tough, smooth surface free of loose fibers
- Great for filtering chloride and phosphorus in cement, coal and coke
  Use these specially treated hardened-ashless filter papers for critical analytical techniques requiring increased wet-strength and handling capacity. These fast-filtering filter papers are ideal for gelatinous precipitates in acid and alkali solutions, as well as air and food analysis.
-

item	Diameter (cm)
 EW-06648-34	18.5
 EW-06648-37	12.5
 EW-06648-40	15

item	Diameter (cm)
 EW-06648-55	11
 EW-06648-68	9
 EW-06648-78	24
 EW-06648-84	4.25

Cole-Parmer Glass Fiber Filters, GF/1F (Grade A); 1.6µm, 47mm; 100/Pk

Cole-Parmer – Item # EW-15945-44

Specifications & Description

- MaterialGlass Microfiber
- Pore Size (micron)1.6
- Diameter (mm)47
- Thickness (µm)240
- Thickness (mm)0.24
- DescriptionGlass Fiber Filters, GF/1F (Grade A); 1.6µm, 47mm; 100/Pk

MORE ABOUT THIS ITEM

Superior-grade, nonsterile glass fiber filters are made of 100% borosilicate glass and are 100% free of bonding agents. These filters offer fine particle retention, a high flow rate, good loading capacity, and may be exposed to temperatures up to 500°C (932°F). Additional variations are available; call us for details.

Grade GF/1F (Grade A) Filters are ideal for high efficiency general purpose lab filtration, gravimetric analysis of airborne particulates, high volume air samples, and stack sampling and absorption method of air pollution monitoring.

Grade GF/3F Filters (Grade C) are used in liquid scintillation counting (LSC) technique, as a standard filter in the collection of suspended solids from potable water and natural wastes, and cell harvesting.

Filter Membranes

A wide selection of filter membranes is available for your filtration needs. When choosing a filter membrane for an application, consider several factors. Certain membrane materials are superior for different applications. The size of the particles you are attempting to separate will dictate the membrane pore size. Membrane pore sizes range from 0.10 mm to 5.00 mm. Our selection of membranes varies in diameter from 13 mm all the way up to 293 mm.

Cole-Parmer® Nylon Membranes

Filter aqueous and organic solvents without prewetting

- Use for HPLC sample preparation, to sterilize biological solutions/buffers, and vacuum degassing
  Nonsterile nylon membranes are inherently hydrophilic and are compatible with many aqueous and organic solvents and solutions making them suitable for HPLC sample preparation, sterilizing biological solutions or buffers, and vacuum degassing. Membranes may be exposed to temperatures up to 75°C (167°F), and can withstand up to five autoclave cycles at 121°C for 30 minutes. Additional variations are available; call us for details.
-

item	Diameter (mm)	Material	Pore Size (μm)
EW-15945-24	25	Nylon	0.2
EW-15945-25	25	Nylon	0.45
EW-15945-26	47	Nylon	0.2
 EW-15945-27	47	Nylon	0.45
 EW-15945-28	47	Nylon	0.8

Cole-Parmer® PTFE Membranes

COLE-PARMER

Unaffected by even the most corrosive compounds, including concentrated acids, alkaline, and propellants

- Durable laminated PTFE membranes
- Prewet with acetone or methanol for aqueous solutions
  Membranes withstand temperatures from –100 to 130°C (–148 to 266°F). Use these hydrophobic membranes for sterile venting and filtration of gas, air steams, and organic solvents.

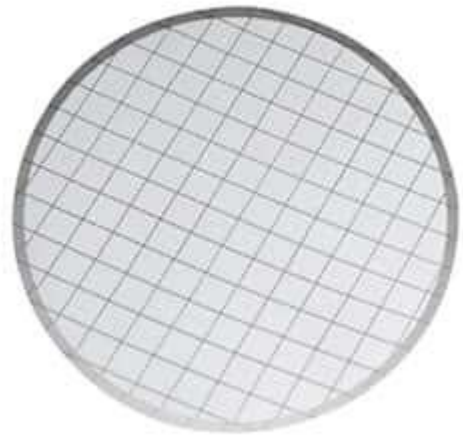
item	Diameter (mm)	Material	Pore Size (µm)
 EW-36229-20	13	Hydrophobic PTFE	0.2
 EW-36229-22	25	Hydrophobic PTFE	0.2

item	Diameter (mm)	Material	Pore Size (µm)
 EW-36229-24	47	Hydrophobic PTFE	0.2
 EW-36229-28	142	Hydrophobic PTFE	0.2
 EW-36229-30	13	Hydrophobic PTFE	0.45
 EW-36229-32	25	Hydrophobic PTFE	0.45

item	Diameter (mm)	Material	Pore Size (µm)
 EW-36229-34	47	Hydrophobic PTFE	0.45
 EW-36229-36	90	Hydrophobic PTFE	0.45
 EW-36229-38	142	Hydrophobic PTFE	0.45
 EW-36229-40	13	Hydrophobic PTFE	1.2

item	Diameter (mm)	Material	Pore Size (µm)
 EW-36229-42	25	Hydrophobic PTFE	1.2
 EW-36229-44	47	Hydrophobic PTFE	1.2
 EW-36229-46	90	Hydrophobic PTFE	1.2
 EW-36229-48	142	Hydrophobic PTFE	1.2

Cole-Parmer® Sterile Gridded Cellulose Nitrate Membranes



COLE-PARMER

White colour with black grid facilitates colony counting

Economical cellulose nitrate (CN) membranes come sterilized by EtO and are individually wrapped. These hydrophilic membranes do not contain any extractable to inhibit or stimulate growth of bacteria, do not affect pH of the medium, and are suitable for both aqueous and protein filtration. Membranes may be exposed to temperatures up to 55°C (131°F). Additional variations are available; call us for details.

-

item	Diameter (mm)	Material	Pore Size (µm)
 EW-15945-38	47	Cellulose Nitrate	0.2

item	Diameter (mm)	Material	Pore Size (µm)
 EW-15945-39	47	Cellulose Nitrate	0.45

Cole-Parmer® Nylon (Polyamide) Membranes

- COLE-PARMER

  Ideal for filtering or sterilizing nonprotein-containing biological solutions

- High protein binding
- Withstand repeated steam sterilization
  Inherently hydrophilic membranes do not require prewetting — use to filter aqueous solutions and organic solvents.

-

item	Diameter (mm)	Material	Pore Size (µm)
 EW-02916-30	13	Nylon	0.2
 EW-02916-34	47	Nylon	0.2
 EW-02916-36	90	Nylon	0.2
 EW-02916-38	142	Nylon	0.2

item	Diameter (mm)	Material	Pore Size (µm)
 EW-02916-40	13	Nylon	0.45
 EW-02916-42	25	Nylon	0.45
 EW-02916-44	47	Nylon	0.45
 EW-02916-46	90	Nylon	0.45

item	Diameter (mm)	Material	Pore Size (µm)
 EW-02916-48	142	Nylon	0.45
 EW-36229-00	13	Nylon	0.2
 EW-36229-02	25	Nylon	0.2
 EW-36229-04	47	Nylon	0.2

item	Diameter (mm)	Material	Pore Size (µm)
 EW-36229-06	90	Nylon	0.2
 EW-36229-12	25	Nylon	0.45
 EW-36229-14	47	Nylon	0.45
 EW-36229-16	90	Nylon	0.45

Cole-Parmer® HPLC Syringe Filters

High quality, economical price

- Syringe filters come with plastic jar for convenient storage
  These nonsterile syringe filters are tested for physical properties and UV detectable extractables. Each unit features secure, enhanced female Luer-Lok™ inlet and male luer slip outlet, and solvent-resistant low extractable polypropylene housing. Select membranes available with 1.0 µm binder-free glass prefilter for high-solids sample. All syringe filters are autoclavable.

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-32815-00	4	Nylon	0.2

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-32815-02	4	Nylon	0.45
 EW-32816-00	17	Nylon	0.45
 EW-32816-02	17	Nylon	0.2
 EW-32816-04	30	Nylon	0.45

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-32816-06	30	Nylon with Binder-free Glass Prefilter	0.45
 EW-32816-08	30	Nylon	0.2
 EW-32816-12	30	Nylon	1.5
 EW-32816-14	30	Nylon	5

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-32816-20	4	Polytetrafluoroethylene (PTFE)	0.45
 EW-32816-22	4	Polytetrafluoroethylene (PTFE)	0.2
 EW-32816-24	17	Polytetrafluoroethylene (PTFE)	0.45
 EW-32816-26	17	Polytetrafluoroethylene (PTFE)	0.2

item	Membrane Diameter (mm)	Membrane Material	Pore Size (μm)
 EW-32816-28	30	Polytetrafluoroethylene (PTFE)	0.45
 EW-32816-32	30	Polytetrafluoroethylene (PTFE)	0.2
 EW-32816-34	30	Polytetrafluoroethylene (PTFE)	1
 EW-32816-46	17	Polyvinylidene fluoride (PVDF)	0.2

item	Membrane Diameter (mm)	Membrane Material	Pore Size (μm)
 EW-32816-50	30	Polyvinylidene fluoride (PVDF)	0.2
 EW-32816-64	17	Regenerated Cellulose (RC)	0.45
 EW-32816-96	17	Polypropylene (PP)	0.2
 EW-32816-98	30	Polypropylene (PP)	0.45

item	Membrane Diameter (mm)	Membrane Material	Pore Size (μm)
 EW-32817-14	17	Cellulose Acetate	0.45
 EW-32817-18	30	Cellulose Acetate	0.45
EW-32817-30	25	Glass Microfiber (GMF)	0.7
EW-32817-32	25	Glass Microfiber (GMF)	1.2

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-32817-34	30	Glass Microfiber (GMF)	3.1

Cole-Parmer® Syringe Filters, Non-Sterile

Economical, single use, and efficient filtering stream for high output filtration from viscous and particle-laden solutions

- Reduce bursting with reinforced polypropylene housing Take advantage of a large effective filtration area Standard female luer-lock inlet and male luer-slip outlet Available in various membrane size, pore size, and material combinations
  Use the single-use syringe filters for clarification and prefiltration, and even for removing fine particulate with the membrane's large effective filtration area. Reinforced polypropylene housing has secure connections for male luer slip outlet and female luer lock inlet. Non-sterile bulk pack of syringe filters 100 per pack. The membrane type and pore size are visible on each filter housing as well.
-

item	Membrane Diameter (mm)	Membrane Material	Pore Size (μm)
EW-06061-15	25	PES	0.2
EW-06061-17	25	PES	0.45
EW-06061-74	25	PES with prefilter	0.2
EW-06061-75	25	PES with prefilter	0.45

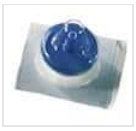
item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-50069-89	25	glass fiber	1.5

Cole-Parmer® PTFE Syringe Filters

COLE-PARMER

Polytetrafluoroethylene (PTFE) membranes are unaffected by most organic solvents, concentrated acids and bases, propellants, and cryogenic fluids

- Ideal for sterilization of gas and alcohols; cleaning acids, alkalies, and organic solvents; venting purposes.
- Use with aggressive chemicals
  Filters are Triton-free and have a bidirectional membrane support and luer lock (15/25 mm dia) or stepped barbs (50 mm dia) inlet/outlet for a secure fit to the syringe. Membrane type and pore size are printed on each filter for easy identification. All Cole-Parmer syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. Sterile filters are sterilized by gamma radiation. They are certified nonpyrogenic, noncytotoxic, and are blister packed.
-

item	Membrane Diameter (mm)	Pore Size (μm)	Sterile
 EW-02915-08	25	0.2	Yes
 EW-02915-20	25	0.2	No
EW-02915-22	25	0.45	No
 EW-02915-28	50	0.2	No

item	Membrane Diameter (mm)	Pore Size (μm)	Sterile
 EW-02915-30	50	0.45	No
 EW-29550-08	15	0.2	No
 EW-29550-10	15	0.45	No

Cole-Parmer® Nylon Syringe Filters

Hydrophilic nylon membranes have extremely low levels of extractables and contain no wetting agents

- They offer good chemical resistance and are ideal for aqueous and most organic samples
  Filters are Triton-free and have a bidirectional membrane support and luer lock inlet/luer slip outlet for a secure fit to the syringe. Membrane type and pore size are printed on each filter for easy identification. All Cole-Parmer syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. They are certified nonpyrogenic and noncytotoxic.
-

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-02	25	0.45	Yes

item	Membrane Diameter (mm)	Pore Size (μm)	Sterile
 EW-02915-04	25	0.2	Yes
EW-02915-14	25	0.45	No
EW-02915-16	25	0.02	No

Cole-Parmer® PVDF Chromatography Syringe Filters

COLE-PARMER

Low protein binding and high flow rates - ideal for filtration of difficult-to-filter solutions

- Bidirectional flow with female luer lock on one side and a male luer slip on the other
- Withstand pressure up to 100 psi (7 bar)
- Batch test certificate included with each pack
  PVDF Syringe Filters are both low protein binding and possess high flow rates, and offer great chemical compatibility—making them ideal for solutions that are difficult to filter. Best suited for applications requiring sterilization and clarification of biological solutions, and preparing HPLC solutions and aqueous samples. Maximum use temperature is 60°C (140°F).

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-15945-16	13	Polyvinylidene fluoride (PVDF)	0.2

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-15945-17	13	Polyvinylidene fluoride (PVDF)	0.45

Cole-Parmer® Nylon Chormatography Syringe Filters

Nylon66, is strong and heat resistant - ideal for HPLC and Chromatography solvents

- Bidirectional flow with female luer lock on one side and a male luer slip on the other
- Withstand pressure up to 100 psi (7 bar)
- Batch test certificate included with each pack
  Nylon Syringe Filters are most often used in HPLC and other analytical applications for either aqueous or organic mobile phase separation. Filters do not contain any adhesive, detergent, or surfactants so they have low extractables—great for research applications. Maximum use temperature is 50°C (122°F).
-

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-15945-10	13	Nylon	0.2
 EW-15945-12	25	Nylon	0.2
 EW-15945-13	25	Nylon	0.45
 EW-15945-15	33	Nylon	0.45

Cole-Parmer® Cellulose Acetate Filters

Ideal for filtering biological solutions

- Exhibit low protein binding
  Filters are Triton-free and have a bidirectional membrane support. Membrane type and pore size are printed on each filter for easy identification. All Cole-Parmer syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. They are certified nonpyrogenic and noncytotoxic.
-

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-00	26	0.45	Yes

item	Membrane Diameter (mm)	Pore Size (μm)	Sterile
 EW-02915-10	26	0.8	Yes
 EW-02915-12	28	0.2	Yes
EW-02915-58	25	0.45	No
EW-02915-60	25	0.2	No

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-62	26	0.8	No

Cole-Parmer® PTFE Chromatography Syringe Filters

Best suited for analytical and research applications and organic solvent filtration

- Bidirectional flow with female luer lock on one side and a male luer slip on the other
- Withstand pressure up to 100 psi (7 bar)
- Batch test certificate included with each pack

PTFE Syringe Filters stand up to the most aggressive solvent, acid, and base samples and are ideal for filtration of highly aggressive colloidal solutions. These filters can be used under extreme chemical or temperature conditions and are ideal for analytical and research applications where non-aqueous/organic solvent filtration is required. Maximum use temperature is 60°C (140°F).

MORE +

- **$**

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-15945-40	13	Polytetrafluoroethylene (PTFE)	0.2
 EW-15945-42	25	Polytetrafluoroethylene (PTFE)	0.2
 EW-15945-43	25	Polytetrafluoroethylene (PTFE)	0.45

Cole-Parmer® PES Sterile Chromatography Syringe Filter

- Bidirectional flow with female luer lock on one side and a male luer slip on the other
- Withstand pressure up to 100 psi (7 bar)
- Batch test certificate included with each pack

PES Syringe Filters are naturally low protein binding and sample absorbing, and have a wide chemical compatibility for both aqueous and organic solvent filtration. Recommended for filtering critical biological sampling, tissue culture media, additives, serum and buffers. Maximum use temperature is 50°C (122°F).

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-15945-52	25	0.2	Yes
 EW-15945-53	25	0.45	Yes

Cole-Parmer® Sterilizing Air Filter

Sterile filter with hydrophobic PTFE membrane for degassing bioreactors

- Stepped hose barb connections accept 1/4" to 3/8" inner diameter tubing
This venting disc filter has a hydrophobic PTFE membrane and PP housing—making it ideal for venting and degassing fermentation tanks and culture vessels, drying or sterilizing gases, and cleaning analytical solvents and reagents. Filter can withstand up to 30 autoclave cycles at 121°C for 20 minutes or 3 cycles at 134°C for 30 minutes.

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-15945-22	50	Polytetrafluoroethylene (PTFE)	0.2

item	Membrane Diameter (mm)	Membrane Material	Pore Size (µm)
 EW-15945-23	50	Polytetrafluoroethylene (PTFE)	0.2

Cole-Parmer PTFE Syringe Filters, Non-Sterile, Barb-Barb, 0.45 µm, 50 mm dia; 20/box

Specifications & Description

- Membrane MaterialPolytetrafluoroethylene (PTFE)
- Pore Size (µm)0.45
- Membrane Diameter (mm)50
- Housing MaterialPolypropylene (PP)
- Capacity (mL)5000
- SterileNo
- Connections1/4" to 1/2" (6 to 12.7 mm) hosebarbs
- ColorNatural
- Retention Volume (mL)<0.35
- Max Pressure (PSI)60
- Max Pressure (bar)4.1
- DescriptionPTFE Syringe Filters, Non-Sterile, Barb-Barb, 0.45 µm, 50 mm dia
- Warranty3 year

MORE ABOUT THIS ITEM

The PTFE syringe filter is Triton-free, has a bidirectional membrane support, and stepped barbs (50 mm dia) inlet/outlet for a secure fit to the syringe. Membrane type and pore size are printed on each filter for easy identification. The syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. They are certified nonpyrogenic, noncytotoxic, and are blister packed.
Warning: This product is not approved or intended for, and should not be used for medical, clinical, surgical or other patient oriented applications.

Cole-Parmer® Built-In Glass Prefilters with Final Filter

Borosilicate glass fiber prefilters combined with cellulose acetate membranes extend the life of the final filter when using viscous, proteinaceous, or particulate-laden samples

- Use these filters to eliminate prefiltration step, reduce retention volume and sample loss, and achieve faster flow rates
  Filters are Triton-free and have a bidirectional membrane support and luer lock inlet/outlet for a secure fit to the syringe. Membrane type and pore size are printed on each filter for easy identification. All Cole-Parmer syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. Sterile filters are sterilized by gamma radiation. They are certified nonpyrogenic, noncytotoxic, and are blister packed.
-

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-40	28	0.2	Yes

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-90	28	0.2	No
 EW-02915-92	28	0.45	No
 EW-02915-94	28	0.8	No

Cole-Parmer® Nitrocellulose (NC) Filters

Nitrocellulose (NC) filters exhibit the highest protein retention of all membranes—good binding matrix for macromolecules

- Provide fast flow rates with aqueous solutions
  Filters are Triton-free and have a bidirectional membrane support and luer lock inlet/outlet for a secure fit to the syringe. Membrane type and pore size are printed on each filter for easy identification. All Cole-Parmer syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. Sterile filters are sterilized by gamma radiation. They are certified nonpyrogenic, noncytotoxic, and are blister packed.
-

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-52	25	0.22	Yes
 EW-02915-53	25	0.45	Yes

item	Membrane Diameter (mm)	Pore Size (µm)	Sterile
 EW-02915-56	25	0.2	No

Cole-Parmer PTFE Syringe Filters, Non-Sterile, Barbed-Threaded, 0.45 µm, 50 mm dia; 10/pk

Cole-Parmer – Item # EW-02915-33

Specifications & Description

- Membrane MaterialPolytetrafluoroethylene (PTFE)
- Pore Size (µm)0.45
- Membrane Diameter (mm)50
- Housing MaterialPolyproylene (PP)
- Capacity (mL)5000
- SterileNo
- ConnectionsThreaded/Barbed
- ColorNatural
- Retention Volume (mL)<0.35
- Max Pressure (PSI)60
- Max Pressure (bar)4.1
- DescriptionPTFE Syringe Filters, Non-Sterile, Barbed-Threaded, 0.45 µm, 50 mm dia; 10/pk
- Warranty3 year

MORE ABOUT THIS ITEM

Polytetrafluoroethylene (PTFE) membranes are Triton-free, have a bidirectional membrane support, one threaded end and one barbed end (50 mm dia) for a secure fit to the syringe. Membrane type and pore size are printed on each filter for easy identification. The syringe filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards. They are certified nonpyrogenic, noncytotoxic, and are blister packed. **Warning:** This product is not approved or intended for, and should not be used for medical, clinical, surgical or other patient-oriented applications.

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
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
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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
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
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
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Чита (3022)38-34-83
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