



Sentino® Filter Funnel



- Ideal for microbial evaluation of samples using membrane filter technique.
- Available in 100 and 250 mL capacity to accommodate a variety of sample sizes.
- Inert polypropylene construction to preserve the integrity of the sample.
- Base adapts for use with Sentino Microbiology Pump or standard manifold.

Ordering Information

Part Number	Description	Pkg
4870	100 mL Sentino filter funnel, 25/sleeve	100/pkg
4871	250 mL Sentino filter funnel, 20/sleeve	80/pkg
4872	Adapter, for Sentino microbiology pump	1/pkg
4873	Adapter, for standard manifold	3/pkg
4874	Aluminum Manifold, 3-place for use with Sentino filter funnel	1/pkg
4875	Aluminum Manifold, 6-place for use with Sentino filter funnel	1/pkg
4285	Tubing, for Sentino microbiology pump, 61 cm (24 in.) length	10/pkg

Specifications

Sentino Filter Funnels:
Materials of Construction
 Funnel: polypropylene

Dimensions
 100 mL diameter: 8.1 cm (3.2 in.)
 height: 5.3 cm (2.1 in.)
 250 mL diameter: 8.1 cm (3.2 in.)
 height: 9.6 cm (3.8 in.)

Gamma-irradiated
 Validated dose 15-30 kGy

Adapters:



Sentino Adapter



Standard Adapter

Materials of Construction
 Body and support screen: 316 stainless steel

Dimensions
 Sentino adapter diameter: 6.1 cm (2.4 in.)
 height: 2.5 cm (1.0 in.)
 Standard adapter diameter: 6.1 cm (2.4 in.)
 height: 2.3 cm (0.9 in.)

Connections

Filter support platform: accepts 47 mm disc filter
 Sentino adapter outlet: hose barb outlet accepts 4.8 mm (3/16 in.) ID tubing and is designed to slide into the stage of the Sentino Microbiology Pump
 Standard adapter outlet: 1/4 in. FNPT threaded connection

Specifications (continued)

Sterilization
 Provided non-sterile. Autoclavable if desired at 121-123 °C (250-253 °F) at approximately 1.0 bar (100 kPa, 15 psi) for 15-20 minutes.

3-place, 6-place



Materials of Construction

Body and end stands: Anodized Aluminum
 Platform and support screen: 316 Stainless Steel; 1/4 in. FNPT
 Drain Plug: Stainless Steel; 1/4 in. MNPT
 Valves: Chrome plated brass
 Valve O-rings: Viton*
 Hose Barb Adapter: Nylon; 6.4 mm (1/4 in.); 1/4 in. MNPT

Dimensions

3-place:
 Height: 13.5 cm (5.3 in.)
 Width: 40.6 cm (16.0 in.)
 Depth: 15.2 cm (6.0 in.)
 6-place:
 Height: 13.5 cm (5.3 in.)
 Width: 82.6 cm (32.50 in.)
 Depth: 15.2 cm (6.0 in.)

Sterilization

Provided non-sterile. Autoclavable if desired at 121-123 °C (250-253 °F) at approximately 1.0 bar (100 kPa, 15 psi) for 15-20 minutes.

Instructions for Use

Using Sentino Filter Funnel

1. Sanitize the filter support platform. This can be accomplished by
 - a. Wiping surface vigorously with alcohol swab or wipe. Wait until the alcohol has air dried before placing a membrane on the platform.
 -OR-
 - b. Infuse platform with 1 mL of reagent grade alcohol. Use vacuum to draw alcohol through the support screen. If desired, flame the platform to remove residual alcohol.



2. Aseptically place a membrane filter onto the platform using the guide rim on the support platform to assist location of the membrane.



3. Aseptically remove a filter funnel from the sleeve ensuring not to contact the inner surface of the funnel or the bottom rim that presses over the support platform.
4. Using the collar at the top of the funnel, press the filter funnel onto the support platform until the funnel clicks into place. Ensure not to touch the upper rim of the funnel.

Instructions for Use (continued)



5. Pre-wetting of membrane should be conducted before sample is poured. It may not be necessary to pre-wet for all samples. Pour sample into the filter funnel. The graduations can be used to measure sample volume.
6. Apply vacuum or turn on pump to draw sample and rinse fluid through the filter then turn off vacuum.
7. Using the collar for leverage, press up and tilt the funnel to remove. Forceps access points aid in grasping membrane.



8. Aseptically transfer the membrane to growth medium.
9. Return to step 1 to process a new sample.

Preparing Sentino Microbiology Pump for use with Sentino Filter Funnel

1. Press tubing (PN 4285) onto hose barb of the Sentino adapter (PN 4872).



2. With the Sentino pump positioned on benchtop, open pump loading door fully.
3. Slide adapter into the guide on the pump housing until it is firmly seated.
4. Tuck the pump drive tubing into the slot in the pump head and position the tube in to the guide slot in the base.
5. Remove tubing slack by pulling the tubing against the rollers as you close pump loading door to a snap closed position.



6. Proceed to Step 1. of Using Sentino Filter Funnel.

Note: If pump head fails to rotate when turned on, then turn off pump, open pump head door and repeat step 5.

Operating Filter Funnel Manifold

Note: Prior to use of the 3-place or 6-place manifold, wrap threads of the hose barb adaptor with the provided tape and connect to the open threaded end.

1. The valve is open when the bar is in the vertical position.
2. The valve is off when the bar is in the horizontal position.
3. When initiating filtration, first turn on vacuum source, then turn on the valve.
4. When concluding filtration, turn off valve, then turn off vacuum pump.
5. Easy sanitizing is accomplished by infusing 70% or reagent grade alcohol through each vacuum port.
6. For maximum valve life, follow sanitization with sterile water rinse.

WARNING

Employment of the products in applications not specified, or failure to follow all instructions contained in this product information insert, may result in improper functioning of the product, personal injury, or damage to property or the product. See Statement of Warranty in our most recent catalog.

ATTENTION

L'utilisation de nos produits dans des applications pour lesquelles ils ne sont pas spécifiés ou le non-respect du mode d'emploi qui figure sur ce document, peut entraîner un dysfonctionnement du produit, endommager le produit ou d'autres biens matériels ou représenter un risque pour l'utilisateur. Se référer à la clause de garantie de notre catalogue le plus récent.

ACHTUNG

Der Einsatz dieses Produktes in Anwendungen für die es nicht spezifiziert ist, oder das Nichtbeachten einiger, in dieser Bedienungsanleitung gegebenen Hinweise kann zu einem schlechteren Ergebnis, oder Zerstörung des Produktes oder anderer Dinge oder gar zu Verletzungen führen. Beachten Sie auch unsere Garantiebedingungen im aktuellen Katalog.

ADVERTENCIA

El uso de este producto en aplicaciones no especificadas o el no considerar las instrucciones indicadas en la hoja de información del producto puede ocasionar un mal funcionamiento del producto, daños en las instalaciones o en el producto y riesgo para el personal del laboratorio. Consulte el apartado de Garantía en nuestro último catálogo.

ATTENZIONE

L'impiego dei prodotti in applicazioni non specificate, o il mancato rispetto di tutte le istruzioni contenute nel presente bollettino tecnico, potrebbero portare ad un utilizzo improprio del prodotto, ferire gli operatori, o danneggiare le caratteristiche del prodotto stesso. Consultare la dichiarazione di garanzia pubblicata nel nostro più recente catalogo.

警告

当製品情報に記載されていないアプリケーションにおいて製品を使用した場合、あるいは当製品情報に記載されている使用方法に従わない場合は、製品の機能上の不具合、人体への危害、あるいはお客様の財産や製品への損害をまねく恐れがあります。必ず、最新のカタログに記載してある保証約款をご覧ください。

International Offices

Pall Corporation has offices and plants throughout the world in: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, New Zealand, Norway, Philippines, Poland, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, and Vietnam. Distributors in all major industrial areas of the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.