



## Sterile Acrodisc® Syringe Filters with Supor® Membrane



### Description

Acrodisc Syringe Filters with Supor membrane have superior performance in a variety of sterile laboratory filtration applications. Supor (polyethersulfone) membrane is low protein binding and provides fast filtration and high throughput. All sterile Acrodisc syringe filters are individually packaged in blister packs and sterilized using gamma irradiation to eliminate potential or harmful extractables common with other sterilization methods such as EtO. Acrodisc PF syringe filters with unique built-in prefilter can be used for increased throughput of viscous or particulate-laden solutions.

### Certification

Pall Life Sciences certifies that the enclosed disposable filters are:

1. Sterile, non-pyrogenic, and non-cytotoxic
2. Sterilized by gamma irradiation
3. Biological Safety, Pass United States Pharmacopeia (USP) Biological Reactivity Test, *In Vivo* <88>
4. Manufactured in accordance with current Good Manufacturing Practices
5. In compliance with published product specifications

Leslie A. Harreld, Sr. Director, Quality Assurance

### Ordering Information

Prod. No.	Sterile Acrodisc Syringe Filters with Supor Membrane	Packaging
4602	0.2 µm, 13 mm	75/pkg
4604	0.45 µm, 13 mm	75/pkg
4608	0.8 µm, 13 mm	75/pkg
4611	0.1 µm, 25 mm	50/pkg
4612	0.2 µm, 25 mm	50/pkg
4187	0.8/0.2 µm, 25 mm	50/pkg
4614	0.45 µm, 25 mm	50/pkg
4618	0.8 µm, 25 mm	50/pkg

### Specifications

#### Materials of Construction

Filter Media: Supor® membrane (hydrophillic polyethersulfone)  
 Housings: 13: Polypropylene  
 25: Modified Acrylic

#### Effective Filtration Area

13 mm: 1.0 cm<sup>2</sup>  
 25 mm: 2.8 cm<sup>2</sup>

#### Typical Hold-Up Volume (with air purge)

13 mm: < 28 µL  
 25 mm: < 70 µL

#### Inlet/Outlet Connections

Female luer lock inlet  
 Male slip luer outlet

#### Maximum Operating Pressure

5.2 bar (520 kPa, 75 psi)

#### Maximum Operating Temperature

55 °C (131 °F)

#### Endotoxin Level

< 0.25 EU/mL using Limulus Amoebocyte Lysate (LAL) test

#### Typical Water Flow Rate

##### mL/min at 3.1 bar (310 kPa, 45 psi)

13mm, 0.2 µm: 22  
 13mm, 0.45 µm: 35  
 13mm, 0.8 µm: 150  
 25mm, 0.1 µm: 35  
 25mm, 0.2 µm: 175  
 25mm, 0.45 µm: 300  
 25mm, 0.8-0.2 µm: 145  
 25mm, 0.8 µm: 700

### Instructions for Use (Aseptic Technique)

1. Before filling the syringe with sample solution, draw approximately 1 mL of air into the syringe. This will allow the air to follow the sample out of the syringe. This "air purge" minimizes fluid retention within the filter device.
2. Fill syringe with solution to be filtered. *Note: Use of syringes smaller than 10 mL can generate excessive pressures on the filter which may exceed maximum operating pressure. Exceeding the maximum operating pressure may result in membrane or housing rupture.*
3. Peel off the backing from the blister package. Holding the blister in one hand and the filled syringe in the other, secure (without excessive force) the filled syringe to the filter device with a twisting motion.
4. Apply gentle thumb pressure to begin filtration (a gentle pressure assures maximum throughput). *Note: As the filter removes the particulate, filtration will become more difficult (the syringe plunger will become harder to push) and pressure rapidly increases on the filter. Change filters when resistance becomes excessive. Failure to change filter may result in housing rupture as the maximum operating pressure is exceeded, or membrane rupture, leading to particulate contaminating the filtrate.*
5. These filters are for **Single Use Only**.

**Complementary Products:  
also available from Pall Life Sciences**

Prod. No.	Acrodisc Syringe Filters with Supor Membrane	Packaging
4651	0.1 µm, 32 mm	50/pkg
4652	0.2 µm, 32 mm	50/pkg
4654	0.45 µm, 32 mm	50/pkg
4658	0.8/0.2 µm, 32 mm	50/pkg
4656	1.2 µm, 32 mm	50/pkg
4650	5 µm, 32 mm	50/pkg

**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atalogに記載してある保証約款をご覧ください。

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