

## Micro IV Filter with Supor® Membrane

### Product Design and Performance Advantages

- Quick priming and air eliminating filter
- Maximizes none positively charged delivery of critical drugs with proven low drug binding including 0.2 µm (+) Supor membrane
- Choice of pore sizes that enable retention of particles, bacteria, fungi and endotoxins
- A range of connector sizes to accommodate a variety of tubing configurations
- Different coloured housings and pad printing available for ease of final product identification

### Customer Qualified Applications

- IV Solutions
- TPN and Lipid solutions
- Drug Therapy
- Apheresis solutions
- Neonatal Infusion Therapy



### Product Specifications

#### Materials of Construction

Filter Membrane: Supor Polyethersulfone.  
Filter Housing: Modified Acrylic  
Vent: PTFE

#### Material Content Declaration

Materials of construction do not contain:

- Natural latex or latex derivatives
- PVC or hydroxyvinyl chloride
- DEHP - Diethylhexylphthalate
- BPA - Bisphenol A
- TSE - Transmissible spongiform encephalopathy
- BSE - Bovine spongiform encephalopathy

#### Filter Dimensions

38 x 20 mm (1.5 x 0.8 in.)

#### Inlet/ Outlet Connectors

2.0 mm (0.079 in.)  
2.3 mm (0.091 in.)  
2.4 mm (0.094 in.)  
2.5 mm (0.098 in.)  
2.7 mm (0.106 in.)

#### Biological Safety

Materials of construction have been evaluated in accordance with United States Pharmacopeia (USP) Biological Reactivity Tests, *In Vivo* <88> (USP Class VI-121 °C Plastic tests) and/or relevant sections of the ISO 10993 series of standards.

# Micro IV Filter Performance

## Filter Specifications

### Effective Filtration Area/ EFA

Approx. 1.65 cm<sup>2</sup>

### Priming volume

Approx. 0.4 mL

### Pyrogenicity

< 0.25 EU/mL using the LAL test method

### Minimum Water Bubble Point

0.2 µm: ≥ 3.1 bar (45 psi), 1.2 µm: ≥ 0.3 bar (5 psi),  
5.0 µm: ≥ 0.5 bar (2 psi)

### Retention properties

0.2 µm Supor membrane is retentive of *B.diminuta* and meets requirements for a sterilizing grade filter per modified ASTM F838-15a test methods. 0.2µm (+) Supor filter devices have demonstrated considerable endotoxin-retention characteristics.

1.2 µm Supor membrane is retentive of *C.albicans*.

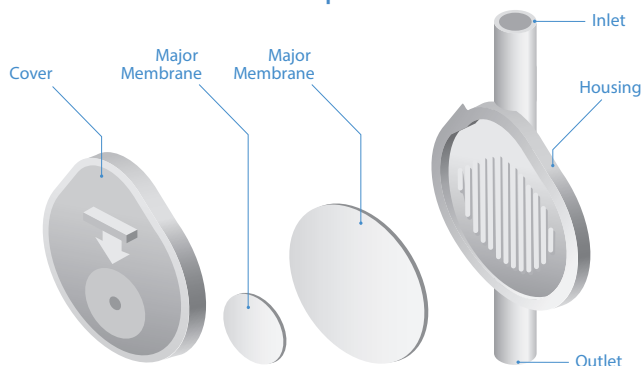
### Sterilization Compatibility

Ethylene Oxide or Gamma irradiation up to 50 kGy

### Minimum Water Flow rate

0.2 µm: ≥ 2 mL/min @ 36" head w/ 0.105" tubing  
1.2 µm: ≥ 30 mL/min @ 36" head w/ 0.105" tubing  
5.0 µm: ≥ 30 mL/min @ 36" head w/ 0.105" tubing

## Pall Micro IV and Its Components



## Ordering Information

Type of Membrane	Pore Size	Housing Colour	Connectors	Packaging	Part Number
Supor	0.2 µm	Clear/ Clear	2.0 (0.079 in.)	500/bag 10000/carton	69224421
Supor	0.2 µm	Clear/ Clear	2.0 (0.079 in.)	500/bag 10000/carton	69314421
Supor	0.2 µm	Clear/ Clear	2.3 (0.091 in.)	500/bag 10000/carton	69024421
Supor	0.2 µm	Clear/ Clear	2.4 (0.094 in.)	500/bag 10000/carton	69454421
Supor	0.2 µm	Clear/ Clear	2.5 (0.098 in.)	500/bag 10000/carton	69254421
Supor	0.2 µm	Clear/ Clear	2.7 (0.106 in.)	500/bag 10000/carton	69324421
Supor	0.2 µm	Clear/ Clear	2.7 (0.106 in.)	500/bag 10000/carton	69474421
Supor	0.2 µm (+)	Clear/ Red	2.0 (0.079 in.)	500/bag 10000/carton	69154421
Supor	0.2 µm (+)	Clear/ Green	2.5 (0.098 in.)	500/bag 10000/carton	69724421
Supor	1.2 µm	Clear/ Blue	2.0 (0.079 in.)	500/bag 10000/carton	69424421
Supor	1.2 µm	Clear/ Blue	2.0 (0.079 in.)	500/bag 10000/carton	69554421
Supor	1.2 µm	Clear/ Clear	2.3 (0.091 in.)	500/bag 10000/carton	69124421
Supor	1.2 µm	Clear/ Blue	2.4 (0.094 in.)	500/bag 10000/carton	69494421
Supor	1.2 µm	Clear/ Clear	2.7 (0.106 in.)	500/bag 10000/carton	69384421
Supor	5.0 µm	Clear/ Clear	2.3 (0.091 in.)	500/bag 10000/carton	69464421
Supor	5.0 µm	Clear/ Clear	2.7 (0.106 in.)	500/bag 10000/carton	69444421



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