

Protection Made Simple

Easy-to-use sterile and disposable In-Line Filters contain a hydrophobic PTFE membrane.

Ideal for confining and isolating infectious and hazardous material in vacuum systems and venting applications.



FEATURES

- Available in porosities of 0.45 μm and 0.22 μm
- Pre-sterilized using gamma irradiation and individually wrapped, disposable
- Same trusted high-quality PTFE hydrophobic membrane as found in ES line of syringe filters
- Ultrasonically welded and overmolded polypropylene housing for superior leak-free performance
- Stepped barb ports from 1/4" to 3/8" with reinforced port base for strength
- Molded indication of flow "IN" port

APPLICATIONS

- Protects vacuum systems from pathogen contamination and vacuum pumps from aerosol corrosion
- Sterile gas introduction to bioreactors and culture vessels
- Venting of bioreactors, fermentation tanks and carboys
- Filtering aggressive solvents in volumes beyond syringe filter capacity
- Protects work area from airborne pathogens and hazardous vacuum pump exhaust or venting

DESCRIPTION

Polytetrafluoroethylene (PTFE) - Hydrophobic

- PTFE membranes are inherently hydrophobic; they are ideal for the filtration of nonpolar liquids and gases.
- Very resistant to solvents as well as acids or bases.
- Can be made hydrophilic by flushing with alcohol, followed by water
- Used for filtering and de-gassing chromatography solvents
- Excellent chemical compatibility for filtering harsh chemicals that destroy other membrane materials
- Moisture barrier for venting applications and vacuum pump line protection
- Ideal for aerosol blocking in venting and vacuum pump exhausting applications
- Filter viscous organic-based HPLC samples in larger volumes than syringe filters will permit
- After pre-wetting with alcohol, may be used for fine particle removal of aqueous and mild organic solutions in Ion Chromatography

Address

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Tel: (416) 736-6166

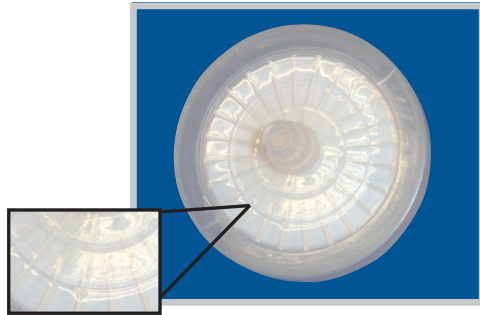
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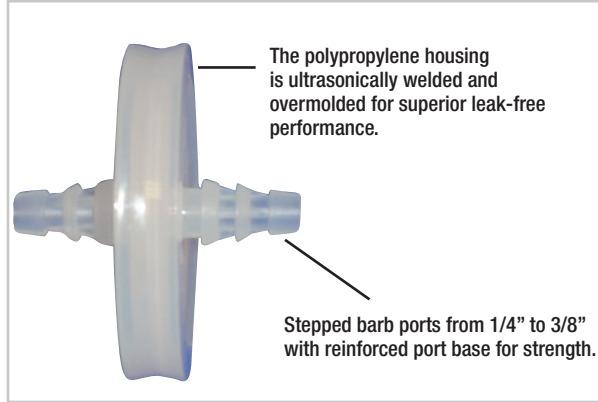
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In-Line Filters



Channeled flow path for even distribution over membrane surface for longer usable lifespan.



The polypropylene housing is ultrasonically welded and overmolded for superior leak-free performance.

Stepped barb ports from 1/4" to 3/8" with reinforced port base for strength.

TECHNICAL SPECIFICATIONS:

Materials of construction

Housing: Polypropylene

Sealing technology: ultrasonically welded

Membrane material: PTFE (Polytetrafluoroethylene)

Pore size: 0.22 μm or 0.45 μm

Membrane diameter: 50 mm

Connectors: 50 mm: 1/4" to 3/8" barb ports

ORDERING INFORMATION

| Tremont Cat# | Dimensions (mm) | Porosity (μm) | Packaging |
|--------------------|-----------------|----------------------------|-----------|
| IWT-ES10500 | 50 | .22 | 10 |
| IWT-ES10502 | 50 | .45 | 10 |

COMMON COMPETITIVE EQUIVALENTS

| Membrane Porosity | Tremont Ca# | Company | Catalog# |
|--------------------|--------------------|----------------------------------|------------|
| 0.22 μm | IWT-ES10500 | GE Healthcare/Whatman | 6722-5000 |
| | | PALL (Acro [®] 50) | 4251 |
| | | Millipore (Millex [®]) | SLFG-75010 |
| 0.45 μm | IWT-ES10502 | GE Healthcare/Whatman | 6722-5000 |
| | | PALL | 4256 |

PACKAGING

Each unit is individually sealed in a 6 mil easy to open pouch equipped with a starter tear notch.



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