



GENIE[®]
membrane separator
 Model 150



Quick Study

The **Genie**[®] Membrane Separators[™] for Stationary Ambient Air Monitors remove liquid water and dust particles from ambient air before it enters the sample line of ambient air monitors. This prevents contamination and/or damage to sample system and analyzer components. Dust particles are removed first from the ambient air as it flows through a sintered filter element. Liquid water as small as a sub-micron mist is removed next by way of the porous membrane. The concentration of trace components present in the gas sample is not altered by either of the two filtering steps.

The **Model 150** is an end of line filter that easily connects to the sample line of stationary gas analyzers.

Applications

- › Ambient air sample conditioning
- › To protect stationary ambient air analyzers in any industry
- › Protection against airborne contaminants such as steam, fog, aerosols, mist, dust, particulates, sub-micron particles, etc.

Benefits

- › Superior analyzer protection
- › Helps preserve sample integrity

Features

- › Genie[®] Membrane Technology[™]
- › Low internal volume
- › Easy connection to sample tubing

Technical Specifications

Maximum temperature	176 °F (80 °C)
Maximum recommended flow rate (For higher flow rates contact the factory)	1,440 cc/min for Type 6 membrane* 5,000 cc/min for Type 7 membrane* 54,000 cc/min for Prefilter only* <small>*Maximum flow results in approximately 2 psi membrane differential pressure</small>
Port sizes	Outlet: 1/4" female NPT or 1/4" male NPT
Internal volume	0.29 cubic inches
Wetted materials	Housing material: Delrin Sealing material: Fluoroelastomer standard



An ISO 9001:2008 certified company



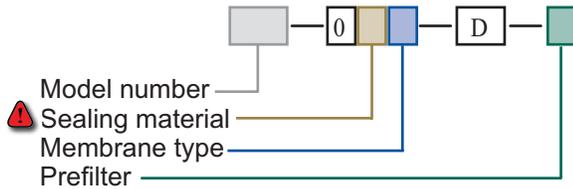
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Model Numbering & Additional Part Numbers

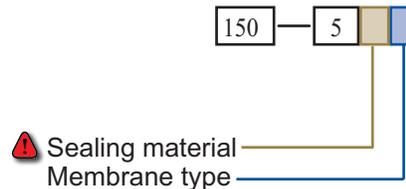
Your model number is determined by your specific needs. Choose options below.

Model number	150 = female 1/4" sample line connection	150M = male 1/4" sample line connection
Sealing material ⚠	0 = Fluoroelastomer	1 = Perfluoroelastomer (other materials available upon request)
Membrane type	6 = Rejects ALL types of liquids from vapor X = No membrane, prefilter only	7 = Rejects ONLY high surface tension liquids
Prefilter	Blank = Standard	F = Advanced

How to build the model number:

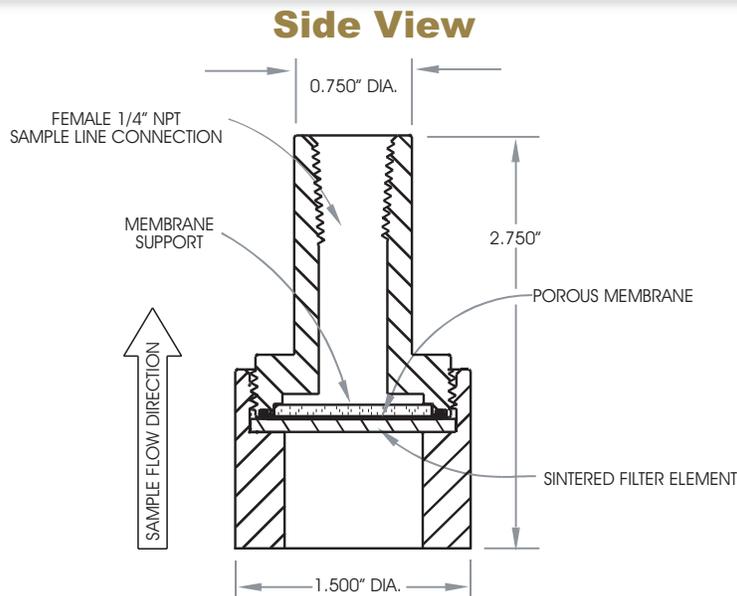


How to build the replacement membrane kit number:



- ⚠ We cannot recommend specific sealing materials due to the complex nature of sample stream compositions. Temperature and pressure also may be factors.
- ⚠ Unless specified otherwise, the product will ship with our standard sealing materials and materials of construction stated in the technical specifications section of the corresponding Product Sheet.
- ⚠ Please refer to www.dupontelastomers.com for sealing material recommendations and advice. It is the user's responsibility to specify the sealing materials and other materials of construction for their application.

Dimensions



Local Distributor:



An ISO 9001:2008 certified company

Manufacturer

A+ Corporation, LLC

41041 Black Bayou Road

Gonzales, LA 70737

Call for expert product application assistance:

Phone: (225)-644-5255 Website: www.geniefilters.com

Fax: (225)-644-3975 E-mail: sales@geniefilters.com

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