



U.S. Patent 5,476,586

Applications

- ▶ Ambient air sample conditioning
- ▶ To protect portable 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
- ▶ Easily connects to the sample hose of portable gas analyzers
- ▶ Small, durable, stainless steel probe tip

Quick Study

The Genie[®] Membrane Separators[™] for Portable Ambient Air Monitors

prevent liquid water from reaching portable gas analyzers, in turn preventing contamination and/or damage to sample system and analyzer components. Slugs of liquid water, particles, and mist of sub-micron size are removed from the sample as it flows through the membrane. The concentration of trace components present in the gas sample is not altered by filtering steps.

The Model 143 is an end of line filter that easily connects to the sample hose of portable gas analyzers.

Technical Specifications

Maximum temperature	176 °F (80 °C)
Maximum recommended membrane flow rate (For higher flow rates contact the factory)	5,000 cc/min for Hi-Flow membrane* *Maximum flow results in approximately 2 psi membrane differential pressure
Port sizes	Outlet: 1/4" female NPT
Internal volume	0.35 cubic inches
Wetted materials	Housing material: Delrin Sealing material: Viton [®] standard

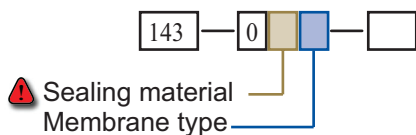


Model Numbering & Additional Part Numbers

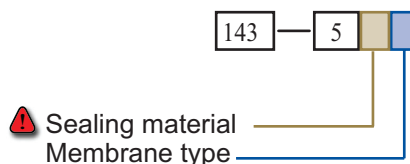
Your model number is determined by your specific needs. Choose options below.

Sealing material ⚠	0 = Viton®	1 = Kalrez®	(other materials available upon request)
Membrane type	2 = Hi-Flow	6 = Type 6/BTU	

How to build the model number:



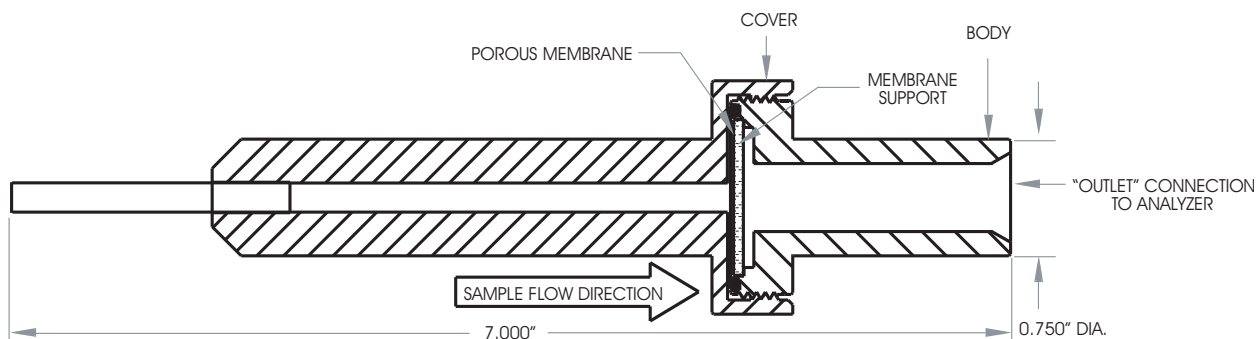
How to build the replacement membrane kit number:



⚠ 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

Side View



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

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