

# GENIE®

membrane separator  
Model 130M



## Applications

- ▶ Protection against liquids
  - ▶ On-line and portable analyzers
  - ▶ GC's, Mass Specs, O<sub>2</sub>, H<sub>2</sub>S, Moisture, and others
- ▶ Spot, composite, or continuous gas sampling in any process industry including natural gas, petrochemical, and oil refining

## Benefits

- ▶ Superior analyzer protection
- ▶ Helps preserve sample integrity
- ▶ Extended membrane service life
- ▶ Increased tolerance to slugs of liquid
- ▶ Reduces analyzer maintenance
- ▶ Improves analyzer reliability

## Features

- ▶ Genie® Membrane Technology™
- ▶ Low internal volume
- ▶ Built-in membrane retention
- ▶ Straight through Bypass
- ▶ Simple design

## Quick Study

### The Series 100 Genie® Membrane Separators™

remove 100% of entrained liquid and particulate in gas samples, which allows only gas sample to flow to analyzers. This action protects analyzers and sample system components against liquid damage. The original Genie® Series 100 models are available in several body styles with different membrane types to accommodate a wide variety of applications. The Genie® Supreme Series™ 100 models accommodate the same applications, yet they offer an improved housing design for easy maintenance and the innovative Liquid Block Technology™ that prevents liquid from being forced across the membrane should sample line pressure conditions become upset.

**The Model 130M** protects gas systems where the flow requirement is higher than 720 cc/min. for the Type 6 membrane and 2,500 cc/min. for the Type 7 membrane. It has all the features of the Model 130, yet it has been modified to include a straight-through fluid flow path between Inlet and Bypass ports that provides an inertial pre-separation of the solids and liquids from the gas sample, which extends membrane life. It is comparable to the Genie® Supreme Series™ Model 123 and also includes a built-in membrane retention plate, which prevents membrane damage should reverse flow occur.

## Technical Specifications

<b>Maximum pressure rating</b>	Stainless Steel Kynar	500 psig 50 psig
<b>Maximum recommended supply pressure</b>	Lowest possible pressure consistent with application* *Must not exceed "Pressure rating" listed above	
<b>Maximum temperature</b>	185 °F (85 °C) for Type 6 membrane 212 °F (100 °C) for Type 7 membrane* *Applies to Polypropylene & Kynar housing 302 °F (150 °C) for Type 7 membrane* *Applies to Stainless Steel housing	
<b>Maximum recommended membrane flow rate</b> (For higher flow rates contact the factory)	5,130 cc/min for Type 6/membrane* 18,000 cc/min for Type 7 membrane* *Maximum flow results in approximately 2 psi membrane differential pressure	
<b>Port sizes</b>	Inlet, Outlet, & Bypass: 1/4" female NPT	
<b>Internal volume</b>	Inlet: 0.55 cubic inches Outlet: 0.30 cubic inches	
<b>Wetted materials</b>	Machined parts : 316 stainless steel / NACE compliant All other metal parts: stainless steel / NACE compliant Sealing material: fluoroelastomer standard Membrane: Inert	



An ISO 9001:2008 certified company



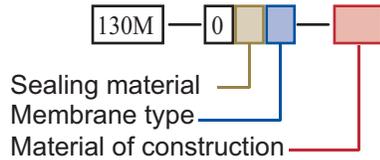
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# Model Numbering & Additional Part Numbers

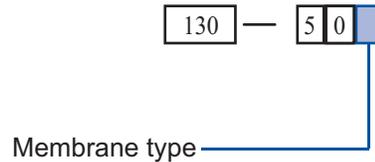
Your model number is determined by your specific needs. Choose options below.

<b>Sealing material</b>	0 = fluoroelastomer	1 = perfluoroelastomer	(other materials available upon request)
<b>Membrane type</b>	6 = Rejects ALL types of liquids from vapor	7 = Rejects ONLY high surface tension liquids	
<b>Material of construction</b>	SS = Stainless Steel	K = Kynar	
<b>Mounting bracket accessory</b>	Part # 130-509-SS (sold separately)		
<b>O-ring replacement</b>	Part # 130-500 (sold separately)		

How to build the model number:

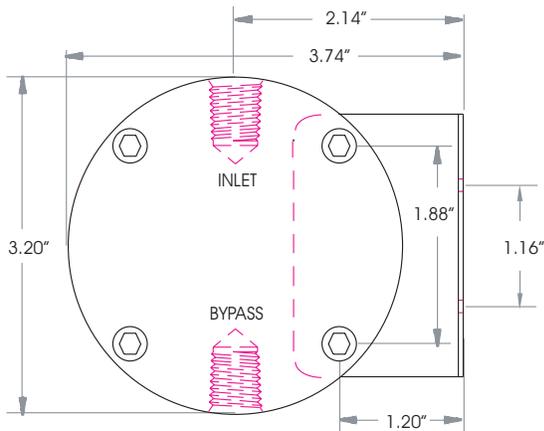


How to build the replacement membrane kit number:

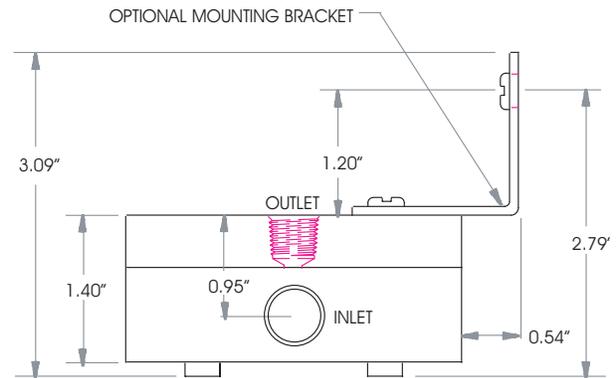


## Dimensions

**Front View**



**Top View**



### Local Distributor:



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### Manufacturer

**A+ Corporation, LLC**

41041 Black Bayou Road

Gonzales, LA 70737

Call for expert product application assistance:

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