

GENIE®

membrane separator
Model 130



Applications

- ▶ Protection against liquids
 - ▶ On-line and portable analyzers
 - ▶ GC's, Mass Specs, O₂, H₂S, 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
- ▶ Reduces analyzer maintenance
- ▶ Improves analyzer reliability

Features

- ▶ Genie® Membrane Technology™
- ▶ Low internal volume
- ▶ 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 130 protects gas systems and related components where the flow requirement is higher than the Genie® Model 101 can accommodate, higher than 720 cc/min. for the Type 6 membrane and 2,500 cc/min. for the Type 7 membrane. It offers a 2" diameter membrane, which is ideal for removing continuous liquid slugs from gas samples; it is also perfect for protecting components such as on-line analyzers, gas chromatographs, or mass spectrometers. Additional information such as Application Notes is available.

Technical Specifications

Maximum pressure rating	Stainless Steel Kynar	500 psig 50 psig
Maximum recommended supply pressure	Lowest possible pressure consistent with application* *Must not exceed "Pressure rating" listed above	
Maximum temperature	185 °F (85 °C) for Type 6 membrane 212 °F (100 °C) for Type 7 membrane* *Applies to Kynar housing 302 °F (150 °C) for Type 7 membrane* *Applies to Stainless Steel housing	
Maximum recommended membrane flow rate (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	
Port sizes	Inlet, Outlet, & Bypass: 1/4" female NPT	
Internal volume	Inlet: 2.60 cubic inches Outlet: 0.30 cubic inches	
Wetted materials	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



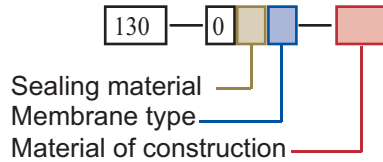
Genie®, Genie® Membrane Technology™, Genie® Membrane Separators™ are trademarks or registered trademarks of A+ Corporation, LLC. All other referenced trademarks are the property of their respective owners.

Model Numbering & Additional Part Numbers

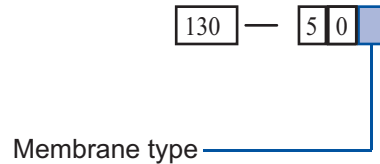
Your model number is determined by your specific needs. Choose options below.

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

How to build the model number:

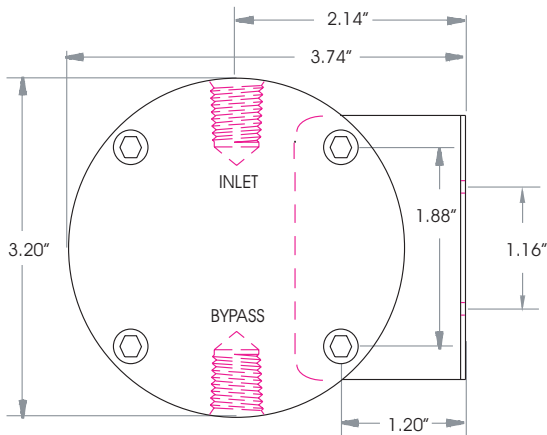


How to build the replacement membrane kit number:

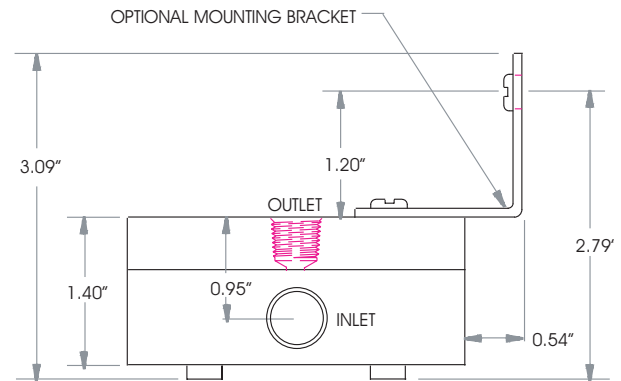


Dimensions

Front View



Top View



Local Distributor:



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

©2010 A+ Corporation, LLC. All rights reserved.

SCC-130-PS_100318