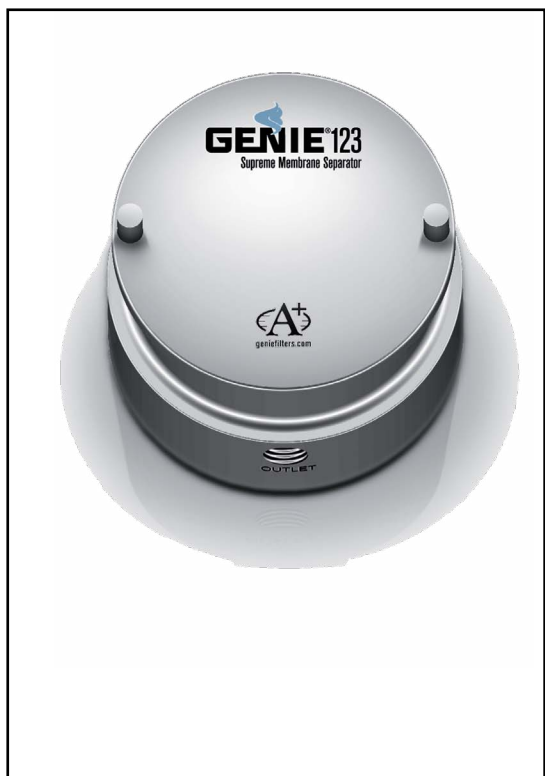




## Genie 123

### Supreme Membrane Separator



The Supreme 100 Series remove 100% of entrained liquid and particulate in gas samples, which allow only gas sample to flow to analysers.

#### Remove Liquid Flow from Samples

The Model 123 is ideal for applications requiring higher flow rates or larger quantities of liquid than the Genie® Supreme Model 120 can withstand.

#### Component Protection

It offers a 2" diameter membrane, the same membrane cross sectional area as the original Genie® Model 130 or Genie® Model 130M, and it is ideal for removing unintermitted liquid flow from gas samples; it is also perfect for protecting components such as "on-line" analysers, gas chromatographs, or mass spectrometers.

Additional information such as FAQs is available.

"The original brand known for sample conditioning and analyser protection!"

## KEY BENEFITS

- Protection against liquids
  - On-line and portable analysers
  - GC's, Mass Specs, O<sub>2</sub>, H<sub>2</sub>S, Moisture, and others
- Superior analyser protection
- Quick and easy membrane inspection
- Spot, composite, or continuous gas sampling in any process industry including natural gas, petrochemical, and oil refining

## TECHNICAL SPECIFICATION

### PRESSURE RATINGS

- Maximum pressure rating: 2,000 psig
- Maximum recommended supply pressure:  
Lowest possible pressure consistent with application

### MAXIMUM TEMPERATURE

- 185 °F (85 °C) for Type 6/BTU membrane
- 302 °F (150 °C) for Hi-Flow Backed membrane

### FLOW RATES

- Maximum recommended membrane flow rate:  
5,130 cc/min for Type 6/BTU  
13,000 cc/min for Hi-Flow Backed membrane
- Bypass flow rates: Requirement varies with application

### INTERNAL VOLUME

- Total: 10.33 cc
- Upstream of membrane: 5.4 cc
- Downstream of membrane: 4.9 cc

### DIMENSIONS

- Inlet, Outlet, & Bypass: 1/4" female NPT

### WETTED MATERIALS

- Machined parts: 316 stainless steel / NACE compliant
- All other metal parts: stainless steel / NACE compliant
- Sealing material: Fluoroelastomer standard
- Membrane: Inert

## PART BUILDER

### MODEL NUMBERING & ADDITIONAL PART NUMBERS

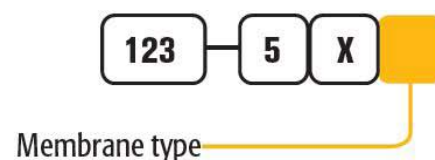
Sealing material	0 =fluoroelastomer	1 = perfluoroelastomer (other materials available upon request)
Membrane type	6 = Type 6/BTU	7 = Hi-Flow Backed
Mounting bracket accessory	Part # 123-509-SS (sold separately)	
O-ring replacement	Part # 123-500 (sold separately)	

How to build the model number:



How to build the replacement membrane kit number:

(Five membranes per kit. O-rings sold separately)



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