



Large enough for a 10' install yet small enough to fit in an enclosure!

Liquid in a sample conditioning system can damage analyzers and lead to inaccurate sample analysis; directly affecting the bottom line. Applying our Analytically Correct™ designs to your sampling system can prevent these occurrences.

Our Genie® Model 702 Permanent Insertion Probe is a simple, safe and economical solution to extract a representative vapor phase sample from a gas source. The 702 is designed for sampling at a specific depth in a pressurized pipeline; each length is customized up to 10 feet to fit your application. Our exclusive Pressure Balance™ technique allows you to effortlessly insert the probe without the need for additional tools or pneumatic and hydraulic methods. Once inserted, the installation housing can be replaced with a shorter one to accommodate partial retraction of the probe during pigging operations or placement into heated enclosures.

We are the only manufacturer that provides Analytically Correct™ membrane tipped sample probes for insertion inside a pipeline or vessel. Using a membrane tip conforms to API 14.1 and GPA 2166 standards. Our patented Genie® Membrane Probes™ are the most efficient means for separating entrained liquid from the sample at source conditions.

Technical Specifications

Maximum Pressure Rating	3,500 psig (241.3 barg)
Temperature Ranges	Type 6 membranes: -35°F (-37.2°C) to 185°F (85°C) *Type 7 membrane: -35°F (-37.2°C) to 300°F (149°C) * Actual limit depends on sealing material chosen. Refer to Temperature Range Comparison Chart.
Maximum Recommended Flow Rate Results in approx. 2 PSI pressure differential. For higher flow rates, contact the factory.	Type 6 Best Rejection: 2.0 LPM (4.2 CFH) (actual conditions) Type 7 Highest Temps: 2.5 LPM (5.3 CFH) (actual conditions)
Port Sizes	Outlet, vent, and gauge: 1/8" female NPT
Process Connection Requirement	3/4" NPT full opening threaded or flanged valve Ball, gate and double block and bleed valves are all suitable for use as long as their inner diameter is not less than 3/4"
Valve Requirement customer provided	Straight-through path with minimum bore of 0.75" (1.91 cm)
Probe Lengths	L: 4ft (1.2 m) to 10 ft (3.0m), shorter lengths available. A: (L) + 7.3"
Wetted Materials	Machined parts: 316/316L stainless steel / NACE compliant. All other metal parts: stainless steel / NACE compliant. Sealing material: User defined Membrane: Inert.



Product Brief

Applications

- Continuous sampling from underground natural gas transmission lines and certain hazardous gas sources
- Gas sampling of mixtures containing less than 30% hydrogen

Benefits

- Protects sample system from liquid and particulates
- Insertion and retraction without pneumatic or hydraulic methods
- Source conditions monitored while sampling
- API 14.1 and GPA 2166 standards compliance
- Installation and maintenance without depressurizing line
- Helps preserve sample integrity
- Increases safety of personnel

Features

- Genie® Membrane Technology™
- Pressure Balance™ installation
- Partial retraction housing accommodates pigging operations or placement into enclosures
- Built-in ports and valves for purging vented gas
- Low profile above pipe

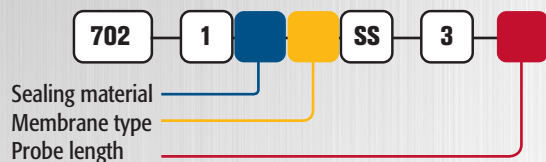


Model Numbering & Additional Part Numbers

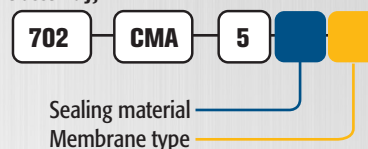
Your model number is determined by your specific needs. Choose options below.

Sealing material	7 = Neoprene rubber	J = RGD resistant HNBR	(other materials available upon request)
Membrane type	6 = Better Rejection; Rejects ALL types of liquids from vapor	7 = Highest Temps; Rejects ONLY high surface tension liquids	
Probe length (L)	Custom length (specified in inches): up to a maximum 120 inches.		
Regulator coupling	ACC-SS-702-1 (recommended when attaching external regulator)		

How to build the model number:

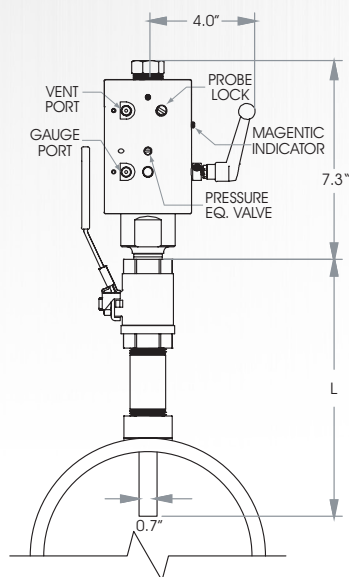


How to build the replacement membrane number: (Contains 1 complete assembly)

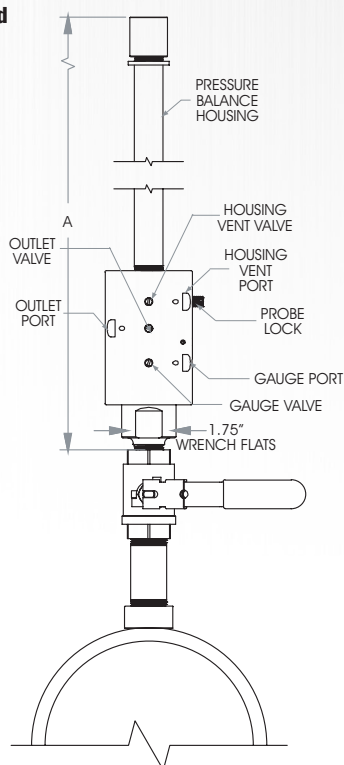


Dimensions

Inserted



Extracted



Analytically Correct™ sample systems, sample conditioning components, and revolutionary gas and liquid sampling technology.

Contact us for expert product application assistance.

1.225.644.5255

sales@geniefilters.com

geniefilters.com

41041 Black Bayou Road, Gonzales, Louisiana 70737

