GENIE® 702
Permanent Insertion Probe™

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. 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 Insertion Lengths	**L:** 1 ft (0.3 m) to 10 ft (3.0 m) **A:** (L) + 13.4 in (340.4 mm)
Wetted Materials	**Machined parts:** 316/316L stainless steel / ISO 15156-3 compliant **All other metal parts:** stainless steel / ISO 15156-3 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
- 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

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Model Numbering & Additional Part Numbers

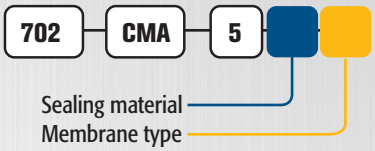
Your model number is determined by your specific needs. Choose options below.

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 insertion length (L)	12, 18, 24, 30, 36, 48, 60, 72, 84, 96, 108, 120 inches	
Regulator coupling	ACC-SS-702-1 (recommended when attaching external regulator)	

How to build the model number:

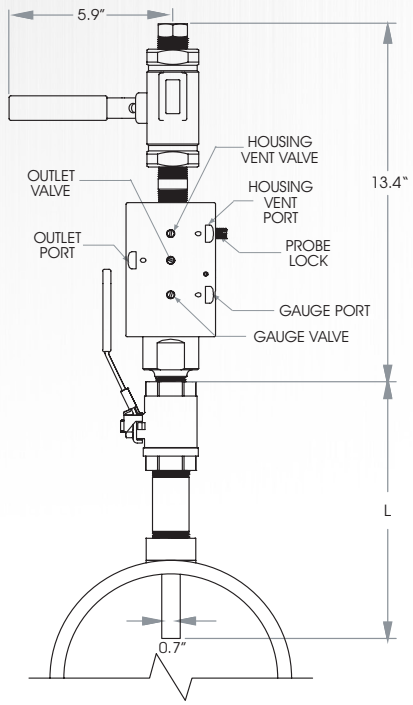
How to build the replacement membrane number:

(Contains 1 complete assembly)



Dimensions

Inserted



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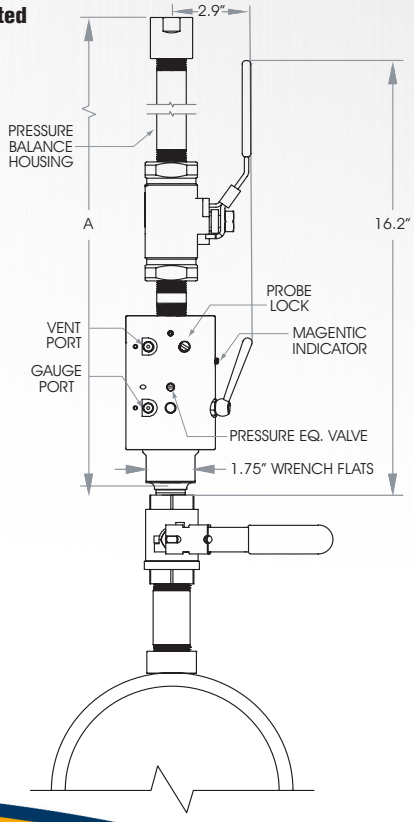

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Analytically Correct™ sample systems, sample conditioning components, and revolutionary gas and liquid sampling technology.

Contact us for expert product application assistance.
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MADE IN USA

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