



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. Ball valves on top of the body and at the top of 12" housing, allow users to partially retract the probe for pigging or to safely and quickly remove pig-damaged probes without depressurizing the pipeline.

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) <small>* Actual limit depends on sealing material chosen. Refer to Temperature Range Comparison Chart.</small>
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) <i>(actual conditions)</i> Type 7 Highest Temps: 2.5 LPM (5.3 CFH) <i>(actual conditions)</i>
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: 4 ft (1.2 m) to 10 ft (3.0 m) shorter lengths available 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
- 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

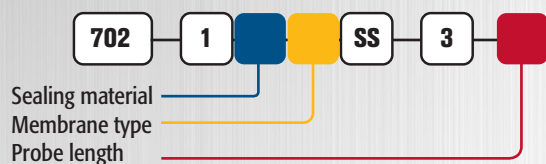


Model Numbering & Additional Part Numbers

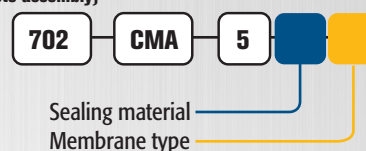
Your model number is determined by your specific needs. Choose options below.

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:

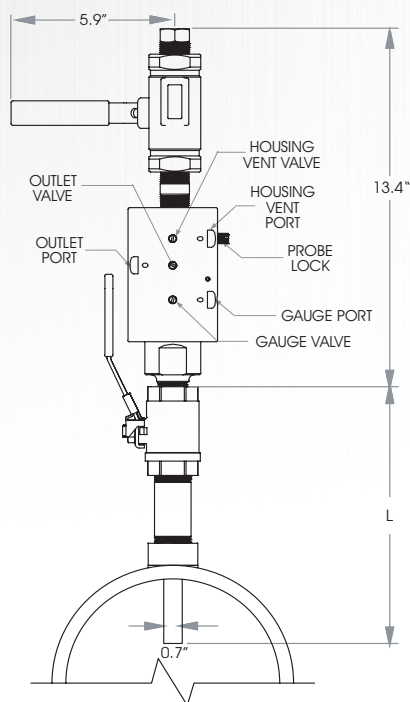


How to build the replacement membrane number: (Contains 1 complete assembly)

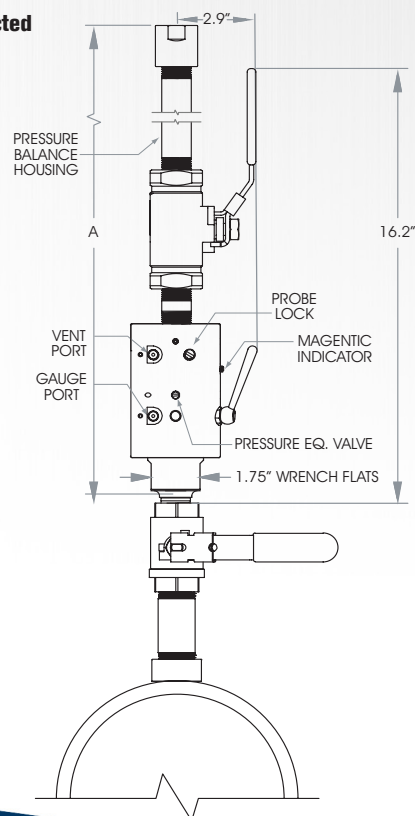


Dimensions

Inserted



Extracted



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



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