

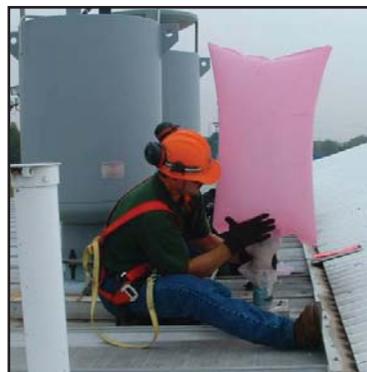


# Anti-Static Measurement Bag

## Three Cubic Foot Anti-Static Measurement Bag



Unit Valve/Blow Down Valve Leakage



Rod Packing/Distance Piece Vent



Pressure Relief Valve Vent

The largest emissions observed at compressor stations are typically from open ended lines (2" to 12" in diameter) that are used as vents for blow down valves, unit valves, scrubber dump valves, pressure relief valves and rod packing systems. Some of the largest leaks from these vents occur when compressors are blown down and the blow down valve is open, allowing leaks across the suction and discharge block valves to vent through the blow down line. For scrubber dump valves, large leakage can occur after valve actuation when dirt and debris get caught in the valve seat allowing high pressure gas to leak through the unclosed valve to the condensate tank and then vented to open atmosphere. Unchecked compressor rod packing systems can leak substantial amounts of gas when running or idle because of several contributing factors which typically go unnoticed. It is under these conditions, that Heath has measured leaks as large as 240 scfm of natural gas. To make measurements on leaks of this magnitude, Heath has fabricated calibrated bags of anti-static plastic of various sizes with a special neck to fit over vent openings. This allows a low-pressure drop measure-

ment of vented systems that may not tolerate significant backpressure. The use of these "Vent-Bags" has been calibrated in our laboratory against rotameter measurements and been found accurate to within  $\pm 10\%$ . Given proper training while observing strict safety guidelines, this technique for measuring large natural gas leaks can be safe, expedient and affordable.

### Features:

- ⇒ Anti-static plastic
- ⇒ Special neck to fit over vent openings
- ⇒ Allows low-pressure drop measurement of vented systems
- ⇒ Accurate to within  $\pm 10\%$
- ⇒ Measured leaks as large as 240 scfm of natural gas

Heath Part Number: 101898-0

*Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.*



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