

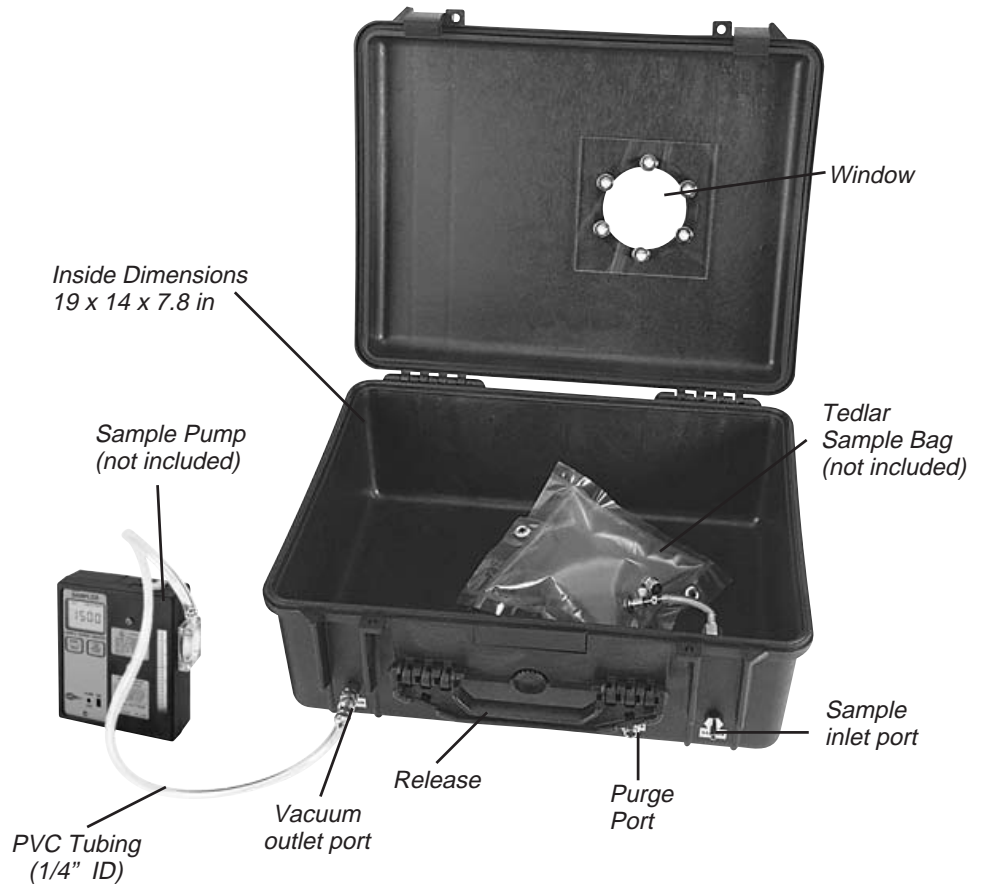
SKC[®]

Product Data Bulletin

Vac-U-Chamber[™] for Negative Pressure Bag Sampling

Eliminates Risk of Contamination

- **Allows direct filling of air sample bags**
 - uses negative pressure provided by most personal air sample pumps
- **Protects from contamination**
 - all surfaces in contact with sample are constructed of Teflon or stainless steel, which eliminates risk of contaminating the pump or sample
- **Rugged, heavy duty construction**
 - will not collapse under vacuum
- **Large vacuum-tight chamber**
 - accommodates bags up to 10-liter size. Inside chamber dimensions: 19 x 14 x 7.8 in (48.3 x 35.6 x 19.7 cm)
- **Multiple applications**
 - Groundwater testing
 - Soil gas sampling
 - Stack sampling
 - Ventilation studies
 - Haz-Mat testing



For reliable negative pressure bag sampling

The SKC Vac-U-Chamber is a rigid air sample box that allows the direct filling of an air sample bag using negative pressure provided by most personal air sampling pumps. When using the Vac-U-Chamber, the air sample directly enters the bag without passing through the pump, thus eliminating the risk of pump or sample contamination. The Vac-U-Chamber's rigid walls will not collapse under vacuum conditions. All surfaces in contact with the sample are constructed of stainless steel or Teflon.

Vac-U-Chamber for Negative Pressure Bag Sampling

Using The Vac-U-Chamber

The Vac-U-Chamber is equipped with three 1/4-inch OD fitting ports for inflating sample bags:

- **Sample inlet port** for connecting to the sample line or gas source
- **Purge port** for purging the air prior to sampling or when preparing the bag for a standard
- **Vacuum port** for inflating a bag

An air sample bag is connected to the inside sample inlet port and the chamber is closed, providing an airtight seal. An air sample pump is connected to the outside vacuum outlet port. When activated, the pump evacuates air from inside the chamber. The sample bag inflates as a result of the interior pressure drop. This pneumatic technique allows the air sample to enter the bag directly without passing through the pump, protecting the pump from sample contaminants and the sample from pump contaminants.