

**Restek's
Vacuum Bag Sampler
Model 1062**

Catalog # 22118

Operations Manual

Rev 3-09

CAUTION:

Read rules for safe operation carefully.

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10 Liter Air Sampler, Model 1062

This active vacuum chamber-based sampler can fill a 10-liter sample bag **without** the sample gas going through a vacuum pump. This sampler can be used in most ambient air sampling applications (hot stack gas sampling may damage the sampler housing). Powered by a rechargeable battery, the bag sampler fills a 10-liter bag by applying a vacuum to the outside of the sample bag. The automatic shutoff switch prevents the sample bag from over-filling. The external power switch and flowmeter give the operator direct control of the filling rate of the bag. The external battery recharging port enables the sampler to be operated continuously using the battery charger. The quick exhaust valve allows for fast removal of the sampling bag. The sampler also includes a large observation window to confirm filling rates and keep an eye on smaller sample bags that cannot trip the automatic shutoff switch located in the lid of the sampler. A special vacuum limiting valve has also been included in this sampler to prevent the vacuum pump from damaging the housing of the sampler. This sampler was designed for rugged outdoor use.

Features and Specifications

- 1-10 liter bag capacity
- Maximum vacuum filling rate is 6.0L/min. @ 5 inches of mercury vacuum
- Zero pump contamination design
- Sample inlet: 1/4" OD tubing
- Continuous running time: 8 hrs.
- Rechargeable 12 volt-4.5 amphr battery
- Quick exhaust valve and observation window
- Dimensions: 22" x 15" x 9" (55cm x 37cm x 23cm)
- Weight: 19 lbs. (8.6kg)

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Optional Parts

Catalog

0.5L Tedlar Bags, pk 10	22049
1L Tedlar Bags, pk 10	22050
3L Tedlar Bags, pk 10	22051
5L Tedlar Bags, pk 10	22052
10L Tedlar Bags, pk 10	22053
Polypropylene all-in-one septum and valve fitting	

Replacement Battery	22119
Universal Battery Charger	22120

RULES FOR SAFE OPERATION

1. Do not recharge battery in an explosive environment.
2. The air pump automatic shutoff is effective **ONLY** on a 10 liter size bag.
3. Lead acid battery cannot be overcharged and does not have memory. Do not allow battery to run until dead. It cannot be recharged after completely draining and must be replaced.
4. **ONLY** use the charger provided with this sampler even though others will fit into the connection. Otherwise, the fuse will continue to blow. Universal charger comes with several voltage plugs that easily slip on and off as needed.

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CE COMPLIANCE: The Model 1062 bears the CE mark and is in compliance with the EMC Directive 89/336/EEC and its Standards EN 50081-1 and EN 50082-1.

Note: Please install glass fuse before use.

Collection of a Gas Sample:

NOTE: This equipment creates a vacuum on the outside of the sample bag which causes the bag to fill with an outside source gas.

CAUTION: Sample bags smaller than 5 liters will not trip the automatic shutoff switch.

Procedure for filling a 10 liter sample bag:

Attach the sample bag to short 1/4" OD sample inlet tubing inside sampler.

Open the sample bag inlet valve.

Secure inlet sample tubing by finger tightening the inlet tube fitting nut.

Close the lid.

Close the Quick Exhaust Valve.

Turn on the power switch.

Adjust the flowmeter to the desired fill rate.

Collect your sample.

Open the Quick Exhaust Valve to release the vacuum.

Close the sample bag inlet and remove sample bag from sampler.

NOTE: A slow flow rate could indicate the battery needs to be recharged or the Quick Exhaust Valve is open.

