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VAC-U-GO Sampling Pump

Cat. No. 228-9605

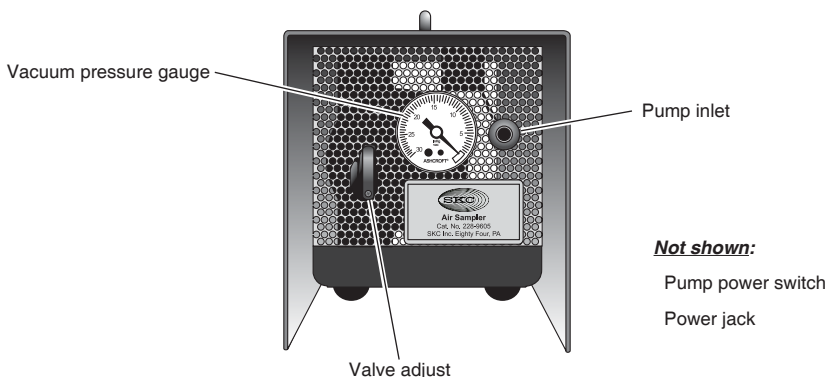
Operating Instructions

Introduction

The VAC-U-GO Sampling pump is a 115-volt non-compensating rotary vane-type vacuum pump that provides flows up to 30 L/min. Use VAC-U-GO for ambient and indoor air sampling applications, including asbestos, bioaerosol, stack, VOC, and fenceline monitoring.

Note: If using VAC-U-GO with the SKC BioSampler, see BioSampler Operating Instructions, Form 37084.

Description



SKC recommends using a rotameter or calibrator to calibrate flow rate. See page 3 for accessories and replacement parts.




VAC-U-GO Contents

If you have Cat. No.	Your Package Should Contain
228-9605	VAC-U-GO Sampling Pump with 3 ft of 3/8-in ID reinforced polyurethane tubing, power cord, tubing adapter, and extension rod for mounting media

Operation

Operation Overview

The VAC-U-GO Sampling pump can be operated in two modes: non-compensating or sonic flow (with the SKC BioSampler); this instruction pertains to non-compensating operation only. (For sonic flow operation with the SKC BioSampler, see BioSampler Operating Instructions, Form 37084.)

-  VAC-U-GO produces a high-pitched whine while operating. This is normal.
-  VAC-U-GO is a non-compensating pump and is not suitable for compliance sampling.
-  For indoor air studies, compliance, or other applications that require a quiet, compensating vacuum pump, use the QuickTake 30 Sample Pump.

Cautions

- Pump only clean, dry air.
- Protect pump from dirt and moisture.
- Pump is **not** intended for use outdoors.
- Protect surrounding items from pump exhaust air.
- Use only the supplied three-wire grounded cable.
- Do not pump flammable or explosive gases.
- Do not operate pump in hazardous locations; the pump is **not** UL listed for intrinsic safety.

Set Pump Flow

1. Use flexible tubing provided to connect the outlet of a representative sampling medium to the pump inlet.
2. Connect a rotameter or calibrator to the sample medium inlet.
3. Plug the socket end of the power cable provided into the pump power jack and the plug end into a standard 120-volt wall outlet. Turn on the pump by pressing the pump power switch to the on position.
4. Using the valve adjust, set the desired flow rate (*see rotameter/calibrator operating instructions*).
5. Remove the rotameter or calibrator and replace the representative sampling medium with new unexposed medium before sampling.

Sample

1. After replacing the representative sampling medium with a new unexposed medium, sample for the desired period.
2. Turn off the pump and unplug the power cable from the outlet.
3. Pack samples, field blanks, and all pertinent sampling information securely for shipment to a laboratory for analysis

Troubleshooting

If the pump stops running, check that the power connections are in place and that the pump is turned on; if these conditions are met and the pump still will not run, send it to SKC for repair. Go to www.skcinc.com/catalog/infopage.php?id=2400 for instructions on how to do so.

Accessories/Replacement Parts

Description	Cat. No.
Rotameter	320-440
Certificate of Compliance, optional, <i>must be ordered when ordering pump</i>	P1501

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty.asp>.

Appendix

Performance Profile

Flow range:	Non-compensated airflow up to 30 L/min. Can provide sonic flow with critical orifice
Motor:	Oil-less rotary vane
Vane life:	Approximately 6000 to 27,000 hours depending on application
Power	Line only 115V, AC, 60 Hz
Operating temp. range:	32 to 104 F (0 to 40 C)
Size:	5.5 x 10.5 x 6.5 in (13.9 x 26.7 x 16.5 cm)
Weight:	12 lbs (5.4 kg)
Certifications:	None. Pump is not intrinsically safe.
Tubing:	3/8-in ID reinforced polyurethane

 **Not intended for use outdoors.**