



Operating Instructions

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VersaTrap Spore Trap Cassettes

Cat. Nos. 225-9820 and 225-9821



VersaTrap Spore Trap Cassettes

- Select a flow rate (see *Flow Rate Guide on back*) and calibrate pump flow rate.
 - VersaTrap® Cassettes do not produce significant back pressure, therefore, it is not necessary to calibrate flow with a cassette in line.
- Remove and retain sealing tabs from cassette inlet and outlet.
- Connect cassette outlet to pump inlet.
 - Direct method:** If pump accommodates direct mounting, insert cassette adapter into pump inlet and push cassette outlet onto bowl end of adapter.
 - Indirect method:** Use 1/2-in ID tubing to connect cassette outlet to pump inlet.
- Turn on sample pump and sample for appropriate sampling time. See *Sampling Interval Guide on back*.
- When sampling is complete, turn off pump, remove cassette, and reseal with sealing tabs.
- Place sample cassettes, outdoor background samples, non-complaint area samples, and blanks in a corrugated box and ship to a laboratory for analysis.

Flow Rate Guide

Select the flow rate that will provide the desired 50% cut-point to capture the particle size of interest.

15 L/min is recommended as an optimal flow rate.

Flow Rate	50% Cut-point (µm)
	VersaTrap
30.0	1.5
25.0	1.7
20.0	1.9
15.0	2.3
10.0	2.8
5.0	3.9

Sampling Interval Guide

Following are recommended sampling times for specific dust conditions.

SKC recommends reducing length of sampling time when using a 30 L/min flow rate to prevent overloading.

Recommended Sampling Intervals for the VersaTrap Air Sampling Cassette at Typical Collection Flow Rates		
Typical Environmental Conditions	Flow rate Collection @ 15 L/min	Flow rate Collection @ 30 L/min
Clean "office" or outdoors (no visible dust)	10 minutes	5 minutes
Indoor environment, high activity personnel	5 minutes	2 minutes
Indoor environment, drywall renovation, or heavy industrial dust	1 minute	1/2 minute

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