

MANUAL VACUUM PUMP SAMPLER **INSTALLATION & OPERATION INSTRUCTIONS**

The manually operated vacuum sample pump is used to fill a sample container from a vacuum line or a very low pressure line. The purpose of the vacuum sampler is to allow pressure to be generated in the sample container and connecting tubing to purge the air from the system.

Installation:

The MVS-2 pump is connected to the sample probe with a length of tubing, from the sample probe to the inlet of the pump. The sample container is connected to the outlet of the pump with a short piece of tubing. The sample container should be in the vertical position with sample inlet on the top.

Operation:

The pump is placed on a steady surface and held down so the hand pump can be operated like a bicycle pump.

The valve on the pipeline is open.

The valve on the inlet side of the sample cylinder is opened.

The handle on the pump is moved up and down until the pressure in the outlet gauge indicates 10 psig.

Close the inlet valve on the sample cylinder, open the outlet valve on the cylinder, and bleed the 10 psi to 1 psi.

Close the outlet valve on the cylinder, open the inlet valve, and refill the cylinder to 10 psi.

Repeat the purge cycle five times.

After the fifth purge, fill the cylinder to the required pressure for your analysis (do not exceed 50 psig).

Close all the valves, and ship or transport the cylinder according to D.O.T. requirements.

Note: When sealing fittings with PTFE tape, refer to the proper sealing instructions for the tape used.