

Gas Sample Pumping System

A Gas Sample Pumping system shall be supplied for the purpose of extracting gas samples from air ducts, vent stacks, enclosed spaces or other areas where direct gas detection and measurement might be difficult. The Gas Sampling System shall be ATI Series A21 as described below.

The Gas Sample Pumping system shall be designed to continuously draw samples through tubing at a flow rate up to 1000 cc/min and to be adjustable at rates between 300 – 1000 cc/min via a rotameter located on the front panel. The Gas Sampling system shall pump against a maximum 10" Hg. on the inlet or 4 PSIG pressure on the outlet for 500 cc/min. and provide a response through 1/8" tubing at 29 seconds/ 100 feet, 3/16" tubing at 65 seconds/ 100 feet and 1/4" tubing at 116 seconds / 100 feet. A low flow alarm lamp shall be visible from the front panel and include a SPDT relay to indicate loss of sample flow.

The Gas Sample Pumping system shall be powered by 120 VAC or 12 VDC (specify one power source only).