Environmental Protection Agency

§ 92.117  Gas meter or flow instrumentation calibration, particulate measurement.

(a) Sampling for particulate emissions requires the use of gas meters or flow instrumentation to determine flow through the particulate filters. These instruments shall receive initial and monthly calibrations as follows:

(i) Install a calibration device in series with the instrument. A critical flow orifice, a bellmouth nozzle, or a laminar flow element or an NIST traceable flow calibration device is required as the standard device.

(ii) The flow system should be checked for leaks between the calibration and sampling meters, including any pumps that may be part of the system, using good engineering practice.

(b) Other systems. A bell prover may be used to calibrate the instrument if the procedure outlined in ANSI B109.1–1992 (incorporated by reference at § 92.5) is used. Prior approval by the Administrator is not required to use the bell prover.