

Question 23.14

Topic: Fuel Flowmeter Accuracy Testing -- Use of Billing Meter

Question: May I use a billing meter as an in-line reference meter to test the accuracy of a Part 75 fuel flowmeter?

Answer: You may use any in-line meter (including a billing meter) as a reference meter to calibrate a Part 75 fuel flowmeter, if the billing meter meets the criteria in Section 2.1.5.2(a) of Appendix D and the quality assurance requirements in Sections 2.1.6.1 and 2.1.6.4 of Appendix D. That is:

- (1) If the billing meter is an orifice, nozzle or venturi-type meter, you may use it as a reference meter if:
 - (a) It meets the design criteria of AGA Report No. 3 or ASME MFC-3M-1989;
 - (b) Calibrations of the temperature, pressure, and differential pressure transmitters (or transducers) are performed and passed according to Section 2.1.6.1 of Appendix D, immediately prior to the comparison between the billing meter and the Part 75 fuel flowmeter; and
 - (c) A visual inspection of the meter's primary element has been performed and passed within the previous three years (12 calendar quarters) prior to the comparison.
- (2) A billing meter other than an orifice, nozzle, or venturi-type may be used as a reference meter, provided that the billing meter either:
 - (a) Has passed an accuracy test within the last 365 days, using one of the standards listed in Section 2.1.5.1 of Appendix D; or
 - (b) Qualifies for a waiver from accuracy testing, under Section 2.1.5.2(c) of Appendix D.

References: Appendix D, Sections 2.1.5.1, 2.1.5.2, 2.1.6.1, and 2.1.6.4

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