

Question 23.13

Topic: Alternative Calibration Method for Coriolis Meters

Question: Is there an alternative calibration method for Coriolis meters (i.e., calibration by design in lieu of using a flowing fluid)?

Answer: The Agency is not aware of any current voluntary consensus standards (ASTM, AGA, ANSI ISO, etc.) that provide an alternative method for calibration of Coriolis type fuel flowmeters by design. Therefore, the acceptable methods for calibrating Coriolis fuel flowmeters are the methods described in Appendix D, Sections 2.1.5.1 and 2.1.5.2 (i.e., calibration against a reference meter installed in line with the Coriolis meter; or laboratory calibration with a flowing fluid). The owner or operator may petition the Administrator under §75.66 to use alternative calibration methods that utilize NIST-traceable equipment..

References: Appendix D, Section 2.1.5.2

History: First published in March 2000, Update # 12; revised in October 2003 Revised Manual; revised in 2013 Manual