

ALDEN

Calibration



Flow measurement has been a cornerstone of Alden since our inception in 1894 as the Alden Hydraulic Laboratory. Today, Alden is the largest independent supplier of National Institute of Standards and Technology (NIST) traceable water flow meter calibrations in the United States. Our personnel, who offer over 150 years of experience in flow meter calibration and component flow testing, actively participate in the development of national and international test codes for the calibration of a wide range of flow meters.



Alden's Hooper and Allen Laboratories include several weigh tanks with capacities from 1,000 to 100,000 lbs. These tanks facilitate accurate flow measurement using methods meeting ASME/ANSI MFC-9M-1988 "Measurement of Liquid Flow in Closed Conduits by Weighing Method" and International Organization for Standardized Code ISO Code 4185-1980 "Measurement of Liquid Flow in Closed Conduits - Weighing Method." Flow measurement uncertainty is better than 0.2%, and all measurement and test equipment is directly traceable to NIST. Flow meter testing is conducted under the department's Quality Assurance Program, which is regularly audited by the Nuclear Users Procurement Issues Committee (NUPIC). These facilities are also used to perform tests for components, such as valves, strainers, and other head loss devices.

