

Commonly Used AGA Reports*

AGA Report #3 - Orifice Metering of Natural Gas

Part 1 (1990) provides the basic equations and uncertainty statements for computing the flow through orifice plates.

Part 2 (2000) provides the specifications for construction and installation of orifice plates, meter tubes and associated equipment.

Part 3 (1992) provides practical guidelines for the measurement of natural gas. Mass flow rate and volumetric rate methods are presented in conformance with the North American industry.

Part 4 (1992) provides instruction on implementation, including subroutine documentation.

AGA Report #5 - Fuel Gas Energy Metering

This report is a supplement to published measurement procedures. It provides for conversion of units of gas volume or mass-to-energy equivalents through the use of data associated with volume-metering practices.

AGA Report #7 - Measurement of Natural Gas by Turbine Meter

This report provides the equations for the measurement of natural gas through turbine meters.

AGA Report #8 - Compressibility Factor of Natural Gas and Related Hydrocarbon Gases

This report presents information needed (including FORTRAN 77 computer program listings) to compute gas phase densities, compressibility and super compressibility factors for natural gas and other related hydrocarbon gases.

AGA Report #9 - Measurement of Gas by Multi-Path Ultrasonic Meters

This report is for multi-path ultrasonic transit time flow meters, typically 6" and larger in diameter, used for the measurement of natural gas.

AGA Report #11 - Measurement of Natural Gas by Coriolis Meter

This report provides performance based specification and test methods for Coriolis meters intended for use on flow measurement of natural gas. It contains several appendices addressing such issues as theory, operation, accuracy, research and test data.

*This document may not have the latest revisions of the reports and is intended as a brief summary of the most common AGA Reports. For the latest reports please contact the American Gas Association (AGA) at www.aga.org.