

ANSI/AWWA **C701-19**
(Revision of ANSI/AWWA C701-15)

AWWA Standard

Cold-Water Meters— Turbine Type, for Customer Service

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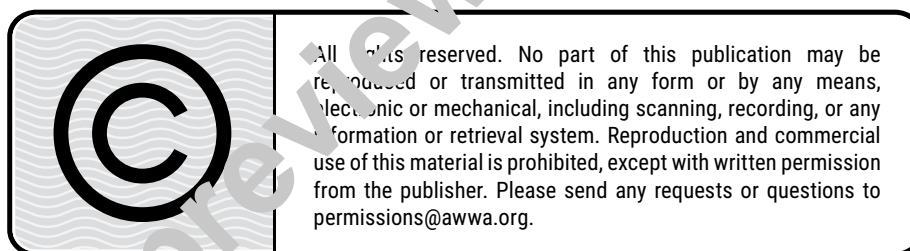
AWWA Standard

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AWWA Standard

Cold-Water Meters— Turbine Type, for Customer Service

SECTION 1: GENERAL

Sec. 1.1 Scope

This standard describes the various classes of cold-water turbine meters in sizes $\frac{3}{4}$ in. (20 mm) through 20 in. (500 mm) for water supply customer service, mainline metering, and custody transfer of water among purveyors, and the materials and workmanship employed in their fabrication. The turbine meters described in this standard are divided into class I and class II meters. Both classes of meters register by recording the revolutions of a turbine set in motion by the force of flowing water striking its blades.

Class I meters are the vertical-shaft models. Class II meters are the in-line, horizontal-axis, high-velocity-type turbines characterized by lower head loss and a wider normal operating flow range than class I models.

Sec. 1.2 Purpose

The purpose of this standard is to provide the minimum requirements for cold-water turbine-type meters, including materials and design.

Sec. 1.3 Application

This standard can be referenced in specifications for purchasing and receiving cold-water turbine-type meters and can be used for manufacturing this type of