



**American Water Works
Association**

Errata to
**AWWA Manual M22,
Sizing Water Service Lines and Meters, 3rd ed.**
(August 2014)

On page 70, in Table 6-1, the following information pertaining to Turbine class I meters should be added:

Type	Meter	Min Flow Rate (gpm)	Low Norm Flow Rate (gpm)	C-Over Range (Compounds)	High Norm. Flow Rate (gpm)	Max Flow Rate (gpm)	Head Loss, Flow (psi)
Turbine, Class I * (vert shaft)	8 in.	N/A	1.5	N/A	20	30	15
	1 in.		2		35	50	15
	1-1/2 in.		3		65	100	15
	2 in.		4		100	160	15
	3 in.		6		220	350	15
	4 in.		8		420	630	15
	6 in.		15		865	1300	15

Awwa M22 Water Service Manual

American Water Works Association



Awwa M22 Water Service Manual:

Sizing Water Service Lines and Meters AWWA Staff, 2004 For technicians architects and engineers a revised guide to estimating customer demand and maximum expected flow for sizing new service lines and meters The manual first published in 1975 presents a field method of demand profiling that can be used to evaluate actual customer use patterns and **M22 - Sizing Water Service Lines and Meters** Peter W. Mayer, American Water Works Association, 2023-08 This manual provides guidance on sizing water meters and service lines to meet the objectives of water utilities and their customers The information in this manual can be used to estimate customer demand and maximum expected flow at a site and this can be used to appropriately size a new service line and meter This manual includes a useful field method called demand profiling that can be used to evaluate actual customer use patterns and help optimize meter size selection *Water Transmission and Distribution* American Water Works Association, 2003 Water distribution systems are made up of pipe valves and pumps through which treated water is moved from the treatment plant to homes offices industries and other consumers The types of materials and equipment used by each water system are usually governed by local conditions past practices and economics Consequently drinking water professionals must be knowledgeable about common types of equipment and operating methods that are available Completely revised and updated Water transmission and distribution includes information on the following distribution system design and operation and maintenance piping materials valves pumps and water meters water main installation backfilling main testing and installation safety fire hydrants water storage water services cross connection control motors and engines instrumentation and control information management and public relations Cover page 4 [Sizing Water Service Lines and Meters, Third Edition \(M22\)](#) American Water Works Association, 2014-12-01 This third edition of M22 contains information needed to estimate customer demand and maximum expected flow that can be used to size new service lines and meters This edition expands the ways to approach the sizing of water service lines and meters and offers improved methods for the sizing of dedicated irrigation meters M22 includes a useful field method called demand profiling that can be used to evaluate actual customer use patterns and help optimize meter size selection The data presented in M22 were obtained from field measurements utility surveys technical publications and hydraulic design calculations This manual emphasizes that utilities having more information about a specific sizing situation will result in the best sizing decision from the tap to the meter This information has been condensed into a simplified format to assist readers in addressing most common service conditions The methods contained in this manual are appropriate for water utility managers engineers planners technicians field operations personnel and consultants involved with designing and constructing projects requiring water service [An Introduction to Water Distribution Systems Operation and Maintenance](#) J. Paul Guyer, P.E., R.A., 2018-02-02 Introductory technical guidance for civil and mechanical engineers and water system managers interested in operation and maintenance of water distribution systems Here is what is discussed 1 OVERVIEW 2 REFERENCES 3

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