



**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 Manual

J. Paul Guyer, P.E., R.A.



Awwa M22 Manual:

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 *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 **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

M22 - Sizing Water Service Lines and Meters Peter W. Mayer, American Water Works Association, 2023 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 *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 DISTRIBUTION 4 STORAGE 5 VALVES AND HYDRANTS 6 APPLICABLE PUBLICATIONS **An Introduction to Engineering of Water Supply Systems** J. Paul Guyer, P.E., R.A., 2021-04-23 Introductory technical guidance for civil engineers mechanical engineers environmental engineers and construction managers interested in planning design construction and operation of water supply systems Here is what is

discussed 1 DOMESTIC WATER DISTRIBUTION 2 DOMESTIC WATER TREATMENT 3 PUMPING STATIONS FOR WATER SUPPLY SYSTEMS 4 TREATED WATER STORAGE 5 WATER DESALINATION 6 WATER DISTRIBUTION IN COLD REGIONS 7 WATER DISTRIBUTION SYSTEM APPURTENANCES 8 WATER SAMPLING AND TESTING 9 WATER SUPPLY SOURCES 10 WATER SUPPLY SYSTEMS OPERATION AND MAINTENANCE 11 TREATMENT AND STORAGE IN COLD REGIONS 12 PUMPS OPERATION AND MAINTENANCE

Water Distribution Operator Training Handbook Third Ed AWWA Staff, 2011-01-12 AWWA's most popular handbook for distribution operators this handbook provides a complete introduction to water distribution system operation and equipment

Water Supply, Water Distribution, 1986

Water Audits and Loss Control Programs AWWA Staff, 2009

An Introduction to Water Treatment by Sulfide and Carbonate Precipitation J. Paul Guyer, P.E., R.A., 2018-02-09 Introductory technical guidance for civil and environmental engineers interested in domestic water treatment Here is what is discussed 1 INTRODUCTION 2 ADVANTAGES AND DISADVANTAGES OF SULFIDE PRECIPITATION 3 CARBONATE PRECIPITATION 4 OTHER PRECIPITATION TECHNIQUES

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