

Awwa Manual M49

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Awwa Manual M49

AWWA Manual M49 Flow is controlled by positioning the closure member between 0° (0 percent, closed) to the full open (100 percent to approximately 90°) positions. The approximate effective throttling range for quarter-turn valves is 15° to 75° open (or 15 percent to 85 percent), but the range can vary based on application and valve design.

Manual M49 Quarter-turn Valves: Head Loss, Torque, and ...

This manual presents a recommended method for calculating operating torque, head loss, and cavitation for quarter-turn valves typically used in water works service. M49 also provides guidance on generally available methods for using quarter-turn valves as well as their cavitation, flow, and torque...

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M49 (Print - AWWA-American Water Works Association

For any further information on MADCAD.com AWWA Standards & Manuals Subscriptions, please contact us at info@madcad.com or +1 800.798.9296. About AWWA Established in 1881, the American Water Works Association is the oldest and largest nonprofit, scientific and educational organization dedicated to safe and sustainable water in the world.

AWWA Manual M49: Butterfly Valves: Torque, Head Loss ...

AWWA Manual M49 ix Preface The purpose of this manual is to present a recommended method for calculating operating torque, head loss, and cavitation for quarter-turn valves typically used in water works ser-vice. It is a discussion of recommended practice, not an American Water Works Association (AWWA) standard.

This is a preview of AWWA M49-2017. Click here to purchase ...

Manual M49 refers to AWWA standards available for purchase from the AWWA Bookstore. Manufacturers graciously provided valve illustrations and other documen- tation. AWWA does not endorse any manufacturer's products, and the names of the manufacturers have been removed from the material provided.

Butterfly Valves: Torque, Head Loss, and Cavitation Analysis

Rotary cone valves in sizes 6 in. thru 84 in. and pressure ratings of 125 cold working pressure (CWP) or 275 CWP in cast- or ductile-iron construction or ANSI Classes 150 and 300 in steel construction are often used in this industry and referenced in other AWWA manuals of standard practices, such as M44.

AWWA M49 - Quarter-Turn Valves: Head Loss, Torque, and ...

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Valves Set Manuals & Standards - AWWA-American Water Works ...

Find the Manual You Need For smooth and efficient day-to-day operation and management of municipal water systems, water professionals depend on AWWA Manuals of Water Supply Practices. AWWA Manuals are consensus documents focused on providing strategies and steps for water system optimization.

Manuals List | American Water Works Association

Valves are an indispensable component of the water distribution system; they can regulate, modulate or isolate. This manual provides essential information for water operators, technicians, and engineers on this powerful appurtenance. Need it now? Learn about AWWA's digital downloads.

M44 Distribution Valves: Selection, Installation, Field ...

AWWA M49-2012 Butterfly Valves: Torque, Head Loss & Cavitation Analysis This manual describes waterborne viral, bacterial, and parasitic pathogens, and water treatment options.

AWWA M49-2012 - Butterfly Valves: Torque, Head Loss ...

AWWA Manual M49 Butterfly Valves: Torque, Head Loss, and Cavitation Analysis, second edition, provides recommended practices, calculations, and data for correctly specifying and using butterfly valves. Produced to be a water utility operations and engineering manual of practice, M49 shows you how to

AWWA-M49 2012 Butterfly Valves: Torque, Head Loss, and ...

Full Description This manual presents a recommended method for calculating operating torque, head loss, and cavitation for quarter-turn valves typically used in water works service. M49 also provides guidance on generally available methods for using quarter-turn valves as well as their cavitation, flow, and torque characteristics.

AWWA M49 - Techstreet

AWWA Manual M14 This is the fourth edition of the AWWA Manual M14, Backflow Prevention and Cross-Connection Control: Recommended Practices. It provides both technical and general informa-tion to aid in the development, implementation, and management of a cross-connection