Awwa C542 09

This standard describes hydraulic and pneumatic linear and quarter-turn actuators for operation of valves and slide gates in utility systems.
Provides practical information about the design and installation of ductile iron pressure piping systems for water utilities. The 12 chapters outlines the procedure for calculating pipe wall thickness and class, and describes the types of joints, fittings, valves, linings, and corrosion protection a
Recommended practices, calculations, and data for correctly specifying and using butterfly valves in any water piping system. Second edition.
P. 16.
Updated from the 1989 version, this manual presents the basics of computerized programs and processes for control and maintenance of a water distribution system. Discussed are operational functions that should be included, how systems should be designed and organized and what operators should be aware of to integrate new data into current systems.
In the future world of Scorch, America is run by a “corporacracy.” Three conglomerates have taken control not by force but by manipulating common beliefs and values through the media, and particularly by playing on Americans’ fears of Big Brother. Consumerism and privatization have run amok in this landscape of flashing screens and subtle brainwashing, a world where even city streets and public schools are run by big business. This is a darkly comic first novel of a dystopian future, with echoes of 1984 and Brave New World.
This technical report provides information and techniques for assessing water control gates, focusing particularly on those controlling reservoirs impounded by a dam.
This completely updated version discusses such topics as raw water quality, treatment options, treatment chemicals, and drinking water regulations. It includes detailed illustrations, photographs, supplemental reading lists, a glossary, and an index.
The brand new manual provides step-by-step guidance to determine revenue requirements, analyze rates, develop a financial plan, and design a better rate structure -- even with limited resources and data. Written for small water systems (defined as serving a population of up to 10,000) it focuses on the unique attributes of small systems as related to financial planning and rate design, with the understanding that most data is contained in the current customer billing system, and merely needs to be massaged. With details plus a sample case study, it helps develop a rate structure that emphasizes simplicity and ease of billing, while at the same time recognizes cost recovery and equitability. Also covered are communications with the public, which is integral to a successful rate restructuring, regulatory approval, system development funding, and rate phase-in.
Specially designed for in-the-field use, this comprehensive yet compact book will pay for itself over and over in the time you save looking for chemical and mathematic formulas, chemical feed rates, US/metric conversions, pipe and equipment data, operational parameters, construction and installation information, OSHA and USEPA regulations, and much more. More than 20 tables have been updated from the 2004 edition, to reflect information in current AWWA standards and manuals in this new edition. Many example calculations were converted to a more understandable format. Information has also been added on drought, emergency disinfection, membranes, nitrification, fluoridation, external corrosion, backflow prevention, PE pipe, fire flow requirements, sizing service lines and meters, and water audits and loss control, and more. Included is a CD with the checklists which can be printed multiple times along with color photos of the related signage. (Replaces ISBN 9781583213155)
Water Transmission and DistributionAmerican Water Works AssociationButterfly Valves - Torque, Head Loss, and Cavitation AnalysisM49American Water Works Association
Water distribution systems are made up of pipe, valves and pumps through which treated water is moved from the treament 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 hyfrants ; water storage ; water services ; cross-connection control ; motors and engines ; instrumentation and control ; information management and public relations.--Cover page [4].
The valve industry has become increasingly digitized over the past five years. This revised second edition reflects those developments by focusing on the latest processing plant applications for "smart valve" technology. * Updated information on testing agencies and the latest code changes Contents: Introduction to Valves * Valve Selection Criteria * Manual Valves * Control Valves * Manual Operators and Actuators * New Smart Valve Technology * Smart Valve and Positioners * Valve Sizing * Actuator Sizing * Common Valve Problems * Abbreviations of Related Organizations and Standards
Interviews describe ghetto life
This standard covers calcium chloride (CaCl2), in the form of powder, pellet, granule, flake, or briquette for use in water supply treatment.
This standard for disinfection of water-storage facilities describes materials, facility preparation, application of disinfectant to interior surfaces of facilities, and sampling and testing for the presence of coliform bacteria, chlorine residual, and acceptable aesthetic water quality. The standard also includes disinfection procedures for underwater inspection and/or cleaning of potable-water-storage facilities but does not describe the technical aspects of underwater inspection and/ or cleaning.
This comprehensive manual of water supply practices explains the design, selection, specification, installation, transportation, and pressure testing of concrete pressure pipes in potable water service.
This standard defines the methods to be used in the structural design of buried prestressed concrete cylinder pipe (PCCP) under internal pressure. These methods are provided for the design

of pipe subjected to the effects of working, transient, and field-test load and internal pressure combinations. The design procedures of this standard are applicable to lined-cylinder pipe (LCP) having inside diameters of 16 in. through 60 in. (410 mm through 1,520 mm) and to embedded-cylinder pipe (ECP) having inside diameters of 24 in. (610 mm) and larger.
Annotation Covering both general and technical information related to PVC use, this illustrated manual discusses the properties of the material, its testing and inspection, hydraulics, design factors, pressure capacity, receiving and storage, installation, testing and maintenance, and service connections. Although intended as an aid to the design, procurement, installation, and maintenance of PVC pipe and fittings, its technical information is not directly correlated to AWAA standards. Appendices feature chemical resistance tables and flow friction loss tables. Annotation copyrighted by Book News, Inc., Portland, OR.
Now updated, this manual discusses design, operation, and maintenance of water distribution systems that supply water for fire protection and suppression. Emphasis is placed on public water systems and includes methods of fire protection.
Comprehensive, up-to-date coverage of valves for the process industry Revised to include details on the latest technologies, Valve Handbook, Third Edition, discusses design, performance, selection, operation, and application. This updated resource features a new chapter on the green technology currently employed by the valve industry, as well as an overview of the major environmental global standards that process plants are expected to meet. The book also contains new information on: Valves used in the wastewater industry Applying emergency shutdown (ESO) valves Recent changes to shutoff classifications Valves specified for the nuclear industry The procurement process for the Nuclear Stamp (N-Stamp) The emergence of wireless technology and its application to current smart technology Characteristics of high-performance hydraulic fluid Valve Handbook, Third Edition, covers: Valve selection criteria Manual valves Check valves Pressure relief valves Control valves Manual operators and actuators Smart valves and positioners Valve and actuator sizing Green valve technology and application Common valve problems Valve purchasing issues
Stenciled on many of the deactivated facilities at Cape Canaveral Air Force Station, the evocative phrase “abandoned in place” indicates the structures that have been deserted. Some structures, too solid for any known method of demolition, stand empty and unused in the wake of the early period of US space exploration. Now Roland Miller’s color photographs document the NASA, Air Force, and Army facilities across the nation that once played a crucial role in the space race. Rapidly succumbing to the elements and demolition, most of the blockhouses, launch towers, tunnels, test stands, and control rooms featured in Abandoned in Place are located at secure military or NASA facilities with little or no public access. Some have been repurposed, but over half of the facilities photographed no longer exist. The haunting images collected here impart artistic insight while preserving an important period in history.
Water Treatment, Grade 2, is organized into 22 chapters addressing core test content on certification exams. Chapters discuss regulations, operator math and chemistry, and specific treatment processes in detail. Other chapters cover water quality testing, electrical and monitoring systems, treatment plant safety, and monitoring and recording requirements.
Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.