

2018 PUBLICATIONS



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TABLE OF CONTENTS



BROWSE BY FORMAT

AWWA Standards 4–13



Manuals of Water Supply Practices 14–17



Videos 18–21



BROWSE BY TOPIC

Water Operator
Certification & Advancement 22–27



Utility Management 28–36



Water Quality & Treatment 37–44



Water Distribution 45–50



Safety 51–53

AWWA STANDARDS



TITLE		NO.	LIST	AWWA MEMBER
SOURCE				
Ground & Wells				
A100-15	Water Wells	41100-2015	\$120	\$83
TREATMENT				
Filtration				
B100-16	Granular Filter Material	42100-2016	\$89	\$52
B101-16	Precoat Filter Material	42101-2016	\$77	\$45
B102-15	Maganese Greensand for Filters	42102-2016	\$77	\$45
B110-09	Membrane Systems	42110	\$89	\$52
B112-15	Microfiltration and Ultrafiltration Membrane Systems	42112-2015	\$101	\$62
B114-16	Reverse Osmosis and Nanofiltration Systems for Water Treatment	42114-2016	\$89	\$52
B116-15	Electrodialysis and Ion-Exchange Membrane Systems	42116-2015	\$87	\$50
B130-18	Membrane Bioreactor Systems	42130-2018	\$89	\$52
Softening				
NEW B200-17	Sodium Chloride	4220-2017	\$77	\$45
B201-13	Soda Ash	42201-2013	\$77	\$45
B202-13	Quicklime and Hydrated Lime	42202-2013	\$77	\$45
Disinfection Chemicals				
B300-10	Hypochlorites	42300	\$77	\$45
B301-18	Liquid Chlorine	42301-2018	\$77	\$45
B302-16	Ammonium Sulfate	42302-2016	\$77	\$45
B303-10	Sodium Chlorite	42303	\$77	\$45
B304-13	Liquid Oxygen for Ozone Generation for Water, Wastewater, and Reclaimed Water Systems	42304-2013	\$77	\$45
B305-15	Anhydrous Ammonia	42305-2015	\$89	\$52
B306-15	Aqua Ammonia (Liquid Ammonium Hydroxide)	42306-2015	\$74	\$44
Coagulation				
B402-12	Ferrous Sulfate	42402	\$77	\$45
B403-16	Aluminum Sulfate—Liquid, Ground, or Lump	42403-2016	\$77	\$45
B404-14	Liquid Sodium Silicate	42404-2014	\$77	\$45
B405-16	Sodium Aluminate	42405-2016	\$77	\$55
B406-14	Ferric Sulfate	42406-2014	\$77	\$45



TITLE	NO.	LIST	AWWA MEMBER
B407-12 Liquid Ferric Chloride	42407	\$77	\$45
B408-10 Liquid Polyaluminum Chloride	42408	\$77	\$45
B451-16 Poly (Diallyldimethyl-ammonium Chloride)	42451-2016	\$77	\$45
B452-14 EPI-DMA Polyamines	42452-2014	\$77	\$45
B453-13 Polyacrylamide	42453-2013	\$77	\$45
Scale and Corrosion Control			
B501-13 Sodium Hydroxide (Caustic Soda)	42501-2013	\$77	\$45
NEW B502-17 Sodium Polyphosphate, Glassy (Sodium Hexametaphosphate)	42502-2017	\$77	\$45
NEW B503-17 Sodium Tripolyphosphate	42503-2017	\$77	\$45
B504-12 Monosodium Phosphate, Anhydrous and Liquid	42504-12	\$77	\$45
B505-12 Disodium Phosphate, Anhydrous	42505-12	\$77	\$45
B506-13 Zinc Orthophosphate	42506-13	\$77	\$45
B507-16 Phosphoric Acid	42507-2016	\$77	\$45
B510-12 Carbon Dioxide	42510	\$77	\$45
NEW B511-17 Potassium Hydroxide	42511-2017	\$77	\$45
B512-15 Sulfur Dioxide	42512	\$77	\$45
NEW B550-17 Calcium Chloride	42550-2017	\$77	\$45
Taste and Odor Control			
B600-16 Powdered Activated Carbon	42600-2016	\$77	\$45
NEW B601-17 Sodium Metabisulfite	42601-2017	\$77	\$45
NEW B602-17 Copper Sulfate	42602-2017	\$77	\$45
B603-16 Permanganates	42603-2016	\$77	\$45
B604-12 Granular Activated Carbon	42604	\$104	\$64
B605-13 Reactivation of Granular Activated Carbon	42605-2013	\$77	\$45
Fluorides			
B701-11 Sodium Fluoride	42701	\$77	\$45
B702-11 Sodium Fluorosilicate	42702	\$77	\$45
B703-11 Fluorosilicic Acid	42703	\$77	\$45
PIPE AND ACCESSORIES			
Ductile-Iron Pipe and Fittings			
C104-13 Cement-Mortar Lining for Ductile-Iron Pipe and Fittings	43104-2013	\$89	\$52
C105-10 Polyethylene Encasement for Ductile-Iron Pipe Systems	43105	\$89	\$52
C110-12 Ductile-Iron and Gray-Iron Fittings	43110	\$125	\$83

TITLE	NO.	LIST	AWWA MEMBER
NEW C111-17 Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings	43111-2017	\$89	\$52
C115-11 Flanged Ductile-Iron Pipe With Ductile-Iron or Gray-Iron Threaded Flanges	43115	\$89	\$52
C116-15 Protective Fusion-Bonded Coatings for the Interior and Exterior Surfaces of Ductile-Iron and Gray-Iron Fittings	43116-2015	\$87	\$50
C150-14 Thickness Design of Ductile-Iron Pipe	43150-2014	\$89	\$52
NEW C151-17 Ductile-Iron Pipe, Centrifugally Cast	43151-2017	\$89	\$52
C153-11 Ductile-Iron Compact Fittings	43153	\$89	\$52
Steel Pipe			
NEW C200-17 Steel Water Pipe, 6 In. (150 mm) and Larger	43200-2017	\$104	\$64
C203-15 Coal-Tar Protective Coatings and Linings for Steel Water Pipe	43203-2015	\$89	\$52
C205-18 Cement-Mortar Protective Lining and Coating for Steel Water Pipe—4 In. (100 mm) and Larger—Shop Applied	43205-2018	\$104	\$64
NEW C206-17 Field Welding of Steel Water Pipe	43206-2017	\$104	\$64
C207-18 Steel Pipe Flanges for Waterworks Service, Sizes 4 In. Through 144 In. (100 mm Through 3,600 mm)	43207-2018	\$104	\$64
NEW C208-17 Dimensions for Fabricated Steel Water Pipe Fittings	43208-2017	\$108	\$65
C209-13 Cold-Applied Tape Coatings for the Exterior of Special Sections, Connections, and Fittings for Steel Water Pipelines	43209-2013	\$89	\$52
C210-15 Liquid-Epoxy Coatings and Linings for Steel Water Pipe and Fittings	43210-2015	\$104	\$64
C213-15 Fusion-Bonded Epoxy Coatings for and Linings for Steel Water Pipe and Fittings	43213-2015	\$89	\$52
C214-14 Tape Coatings for Steel Water Pipe	43214-2014	\$89	\$52
C215-16 Extruded Polyolefin Coatings	43215-2016	\$89	\$52
C216-15 Heat-Shrinkable Cross-Linked Polyolefin Coatings for Steel Water Pipe and Fittings	43216-2015	\$89	\$52
C217-16 Microcrystalline Wax and Petrolatum Tape Coatings Systems for Steel Water Pipe and Fittings	43217-2016	\$89	\$52
C218-08 Liquid Coating Systems for the Exterior of Aboveground Steel Water Pipelines and Fittings	43218	\$89	\$52
NEW C219-17 Bolted, Sleeve-Type Couplings for Plain-End Pipe	43219-2017	\$89	\$52

TITLE	NO.	LIST	AWWA MEMBER
NEW C220-17 Stainless-Steel Pipe, ½ In. (13 mm) and Larger	43220-2017	\$86	\$50
C221-12 Fabricated Steel Mechanical Slip-Type Expansion Joints	43221-2012	\$89	\$52
C222-08 Polyurethane Coatings for the Interior and Exterior of Steel Water Pipe and Fittings	43222	\$89	\$52
C223-13 Fabricated Steel and Stainless-Steel Tapping Sleeves	43223-2013	\$89	\$52
NEW C224-17 Nylon-11-Based Polyamide Coating System for the Interior and Exterior of Steel Water Pipe, Connections, Fittings, and Special Sections	43224-2017	\$89	\$52
C225-14 Fused Polyolefin Coatings for Steel Water Pipe	43225-2014	\$89	\$52
C226-13 Stainless-Steel Fittings for Waterworks Service, Sizes ½ In. Through 72 In. (13 mm Through 1,800 mm)	43226-2013	\$104	\$64
NEW C227-17 Bolted, Split-Sleeve Restrained and Nonrestrained Couplings for Plain-End Pipe	43227-2017	\$86	\$50
C228-14 Stainless-Steel Pipe Flange Joints for Water Service—Sizes 2 In. Through 72 In. (50 mm Through 1,800 mm)	43228-2014	\$89	\$52
C229-15 Fusion-Bonded Polyethylene Coatings for Steel Water Pipe and Fittings	43229-2015	\$89	\$52
C230-16 Stainless-Steel Full-Encirclement Repair and Service Connection Clamps	43230-2016	\$77	\$45
Concrete Pipe			
C300-16 Reinforced Concrete Pressure Pipe, Steel-Cylinder Type	43300-2016	\$89	\$52
C301-14 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type	43301-2014	\$89	\$52
C302-16 Reinforced Concrete Pressure Pipe, Noncylinder Type	43302-2016	\$89	\$52
NEW C303-17 Concrete Pressure Pipe, Bar-Wrapped, Steel-Cylinder Type	43303-2017	\$89	\$52
C304-14 Design of Prestressed Concrete Cylinder Pipe	43304	\$104	\$64
Valves and Hydrants			
C500-09 Metal-Seated Gate Valves for Water Supply Service	43500	\$89	\$52
C502-14 Dry-Barrel Fire Hydrants	43502-2014	\$89	\$52
C503-14 Wet-Barrel Fire Hydrants	43503-2014	\$89	\$52
C504-15 Rubber-Seated Butterfly Valves.	43504-2015	\$89	\$52
C507-15 Ball Valves, 6 In. Through 60 In. (150 mm Through 1,500 mm)	43507-2015	\$89	\$52

TITLE	NO.	LIST	AWWA MEMBER
NEW C508-17 Swing-Check Valves for Waterworks Service, 2-In. Through 24-In. (50-mm Through 600-mm) NPS	43508-2017	\$89	\$52
C509-15 Resilient-Seated Gate Valves for Water Supply Service	43509-2015	\$89	\$52
NEW C510-17 Double Check Valve Backflow Prevention Assembly	43510-2017	\$89	\$52
NEW C511-17 Reduced-Pressure Principle Backflow Prevention Assembly	43511-2017	\$89	\$52
C512-15 Air-Release, Air/Vacuum, and Combination Air Valves for Water and Wastewater Service	43512-2015	\$87	\$50
C514-15 Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities	43514-2015	\$89	\$52
C515-15 Reduced-Wall, Resilient-Seated Gate Valves for Water Supply Service	43515-2015	\$89	\$52
C516-14 Large-Diameter Rubber-Seated Butterfly Valves, Sizes 78 In. (2,000 mm) and Larger	43516	\$89	\$52
C517-16 Resilient-Seated Cast-Iron Eccentric Plug Valves	43517-2016	\$89	\$52
C518-13 Dual-Disc Swing-Check Valves for Waterworks Service	43518-2013	\$89	\$52
C520-14 Knife Gate Valves, Sizes 2 In. (50 mm) Through 96 In. (2,400 mm)	43520-2014	\$77	\$45
NEW C530-17 Pilot-Operated Control Valves	43530-2017	\$89	\$52
C541-16 Hydraulic and Pneumatic Cylinder and Vane-Type Actuators for Valves and Slide Gates	43541-2016	\$77	\$45
C542-16 Electric Motor Actuators for Valves and Slide Gates	43542-2016	\$77	\$45
NEW C550-17 Protective Interior Coatings for Valves and Hydrants	43550-2017	\$89	\$52
C560-14 Cast-Iron Slide Gates	43560-2014	\$89	\$52
C561-14 Fabricated Stainless-Steel Slide Gates	43561-2014	\$104	\$64
C562-14 Fabricated Aluminum Slide Gates	43562-2014	\$77	\$45
C563-13 Fabricated Composite Slide Gates	43563-2014	\$89	\$52

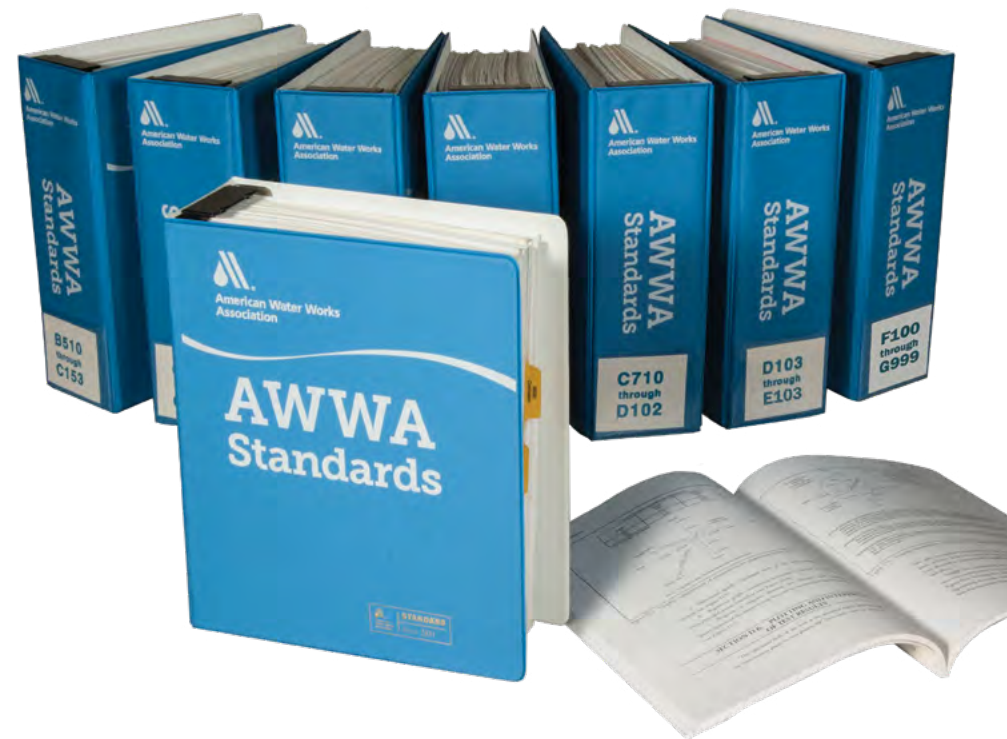
PIPE INSTALLATION

NEW C600-17 Installation of Ductile-Iron Mains and Their Appurtenances	43600-2017	\$104	\$64
NEW C602-17 Cement-Mortar Lining of Water Pipelines in Place—4 In. (100 mm) and Larger	43602-2017	\$89	\$52
NEW C604-17 Installation of Steel Water Pipe—4 In. (100 mm) and Larger	43604-2017	\$89	\$52

TITLE	NO.	LIST	AWWA MEMBER
C605-13	Underground Installation of Polyvinyl Chloride (PVC) and Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe and Fittings	43605-2013	\$89 \$52
C606-15	Grooved and Shouldered Joints	43606-2015	\$89 \$52
C620-07(R17)	Spray-Applied In-Place Epoxy Lining of Water Pipelines, 3 In. (75 mm) and Larger	43620-07-R17	\$89 \$52
DISINFECTION OF FACILITIES			
C651-14	Disinfecting Water Mains	43651-2014	\$104 \$64
C652-11	Disinfection of Water-Storage Facilities	43652	\$104 \$64
C653-13	Disinfection of Water Treatment Plants	43653-2013	\$89 \$52
C654-13	Disinfection of Wells	43654-2013	\$104 \$64
C655-09	Field Dechlorination	43655	\$77 \$45
C670-15	Online Chlorine Analyzer Operation and Maintenance	43670-2015	\$74 \$44
C671-16	Online Turbidimeter Operator and Maintenance	43671-2016	\$77 \$45
METERS			
C700-15	Cold-Water Meters—Displacement Type, Metal Alloy Main Case	43700-2015	\$89 \$52
C701-15	Cold-Water Meters—Turbine Type, for Customer Service	43701-2015	\$89 \$52
C702-15	Cold-Water Meters—Compound Type	43702-2015	\$89 \$52
C703-15	Cold-Water Meters—Fire-Service Type	43703-2015	\$89 \$52
C704-15	Propeller-Type Meters for Waterworks Applications	43704-2015	\$89 \$52
C707-10 (R16)	Encoder-Type Remote-Registration Systems for Cold-Water Meters	43707-10-R16	\$89 \$52
C708-15	Cold-Water Meters—Multijet Type	43708-2015	\$89 \$52
C710-15	Cold-Water Meters—Displacement Type, Plastic Main Case	43710-2015	\$89 \$52
C712-15	Cold-Water Meters—Singlejet Type	43712-2015	\$89 \$52
C713-15	Cold-Water Meters—Fluidic-Oscillator Type	43713-2015	\$89 \$52
C714-13	Cold-Water Meters for Residential Fire Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Houses	43713	\$89 \$52
C750-16	Transit-Time Flowmeters in Full Closed Conduits	43750-2016	\$89 \$52
C751-16	Magnetic Inductive Flowmeters	43751-2016	\$74 \$44
SERVICE LINES			
C800-14	Underground Service Line Valves and Fittings	43800-2014	\$104 \$64
NEW C810-17	Replacement and Flushing of Lead Service Lines	43810-2017	\$101 \$62

TITLE	NO.	LIST	AWWA MEMBER
PLASTIC PIPE			
C900-16	Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 60 In. (100 mm Through 1,500 mm)	43900-2016	\$104 \$64
NEW C901-17	Polyethylene (PE) Pressure Pipe and Tubing, ½ In. (13 mm) Through 3 In. (76 mm), for Water Service	43901-2017	\$89 \$52
C903-16	Polyethylene—Aluminum—Polyethylene & Cross-linked Polyethylene—Aluminum—Cross-linked Polyethylene Composite Pressure Pipes, ½ In. (12 mm) Through 2 In. (50 mm), for Water Service	43903-2016	\$89 \$52
C904-16	Cross-Linked Polyethylene (PEX) Pressure Pipe, ½ In. (12 mm) Through 3 In. (76 mm), for Water Service	43904-2016	\$89 \$49
C906-15	Polyethylene (PE) Pressure Pipe and Fittings, 4 In. Through 65 In. (100 mm Through 1,650 mm), for Waterworks	43906-2015	\$104 \$64
NEW C907-17	Injection-Molded Polyvinyl Chloride (PVC) Pressure Fittings, 4 In. Through 12 In. (100 mm Through 300 mm), for Water Distribution	43907-2017	\$89 \$52
C909-16	Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. Through 24 In. (100 mm Through 600 mm), for Water, Wastewater, and Reclaimed Water Service	43909-2016	\$89 \$52
C950-13	Fiberglass Pressure Pipe	43950-2013	\$104 \$64
STORAGE			
D100-11	Welded Carbon Steel Tanks for Water Storage	44100	\$145 \$95
NEW D102-17	Coating Steel Water-Storage Tanks	44102-2017	\$104 \$64
D103-09	Factory-Coated Bolted Carbon Steel Tanks for Water Storage	44103	\$145 \$95
NEW D104-17	Automatically Controlled, Impressed-Current Cathodic Protection for the Interior Submerged Surfaces of Steel Water Storage Tanks	44104-2017	\$89 \$52
D106-16	Sacrificial Anode Cathodic Protection Systems for the Interior Submerged Surfaces of Steel Water Storage Tanks	44106-2016	\$89 \$52
D107-10	Composite Elevated Tanks for Water Storage	44107-2016	\$120 \$81
D108-10	Aluminum Dome Roofs for Water Storage Facilities	44108	\$77 \$45
D110-13	Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks	44110-2013	\$104 \$64
NEW D115-17	Tendon-Prestressed Concrete Water Tanks	44115-2017	\$104 \$64

TITLE		NO.	LIST	AWWA MEMBER
D120-09	Thermosetting Fiberglass-Reinforced Plastic Tanks	44120	\$89	\$52
D121-12	Bolted Aboveground Thermosetting Fiberglass-Reinforced Plastic Panel-type Tanks for Water Storage	44121	\$125	\$83
D130-11	Geomembrane Materials for Potable Water Applications	44130	\$89	\$52
PUMPS				
NEW E102-17	Submersible Vertical Turbine Pumps	45102-2017	\$104	\$64
E103-15	Horizontal and Vertical Line-Shaft Pumps	45103-2015	\$104	\$64
PLANET EQUIPMENT				
F101-13	Contact-Molded, Fiberglass-Reinforced Plastic Wash-Water Troughs and Launderers	46101-2013	\$89	\$52
F102-13	Matched-Die-Molded, Fiberglass-Reinforced Plastic Weir Plates, Scum Baffles, and Mounting Brackets	46102-2013	\$86	\$50
F110-16	Ultraviolet Disinfection Systems for Drinking Water	46110-2016	\$77	\$45
UTILITY MANAGEMENT				
NEW G100-17	Water Treatment Plant Operation and Management	47100-2017	\$77	\$45
G200-15	Distribution Systems Operation and Management	47200-2015	\$77	\$45
G300-14	Source Water Protection	47300-2014	\$77	\$45
G400-09	Utility Management System	47400	\$77	\$45
G410-09	Business Practices for Operation and Management	47410	\$89	\$52
NEW G420-17	Communications and Customer Relations	47420-2017	\$104	\$64
G430-14	Security Practices for Operation and Management	47430-2014	\$77	\$45
NEW G440-17	Emergency Preparedness Practices	47440-2017	\$104	\$64
G480-13	Water Conservation Program Operation and Management	47480-2013	\$77	\$45
G481-14	Reclaimed Water Program Operation and Management	47481-2014	\$77	\$45
G510-13	Standard for Wastewater Treatment Plant Operations and Management	47510-2013	\$77	\$45
NEW G520-17	Wastewater Collection System Operation and Management	47520-2017	\$118	\$72
J100-10(R13)	Risk and Resilience Management of Water and Wastewater Systems (reaffirmed without change in 2013)	40100	\$199	\$137



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MANUALS OF WATER SUPPLY PRACTICES



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30001-7E	M1 Principles of Water Rates, Fees, and Charges, seventh edition	\$178	\$109
30003-7E	M3 Safety Management for Utilities, seventh edition	\$138	\$82
NEW 30005-3E	M5 Water Utility Management, third edition	\$149	\$90
30019	M19 Emergency Planning for Water Utilities, fourth edition (also available in Spanish: 30019-SPE)	\$142	\$84
30029-4E	M29 Fundamentals of Water Utility Capital Financing, fourth edition	\$125	\$80
30047	M47 Capital Project Delivery, second edition	\$142	\$84
NEW 30050-3E	M50 Water Resources Planning, third edition	\$175	\$107
NEW 30052-2E	M52 Water Conservation Programs: A Planning Manual, second edition	\$142	\$84
30054-2E	M54 Developing Rates for Small Systems, second edition	\$96	\$60
30060	M60 Drought Preparedness and Response	\$116	\$72
WATER QUALITY AND TREATMENT			
30004-6E	M4 Water Fluoridation Principles and Practices, sixth edition	\$128	\$82
30007	M7 Problem Organisms in Water: Identification & Treatment, third edition	\$153	\$96
30012-6E	M12 Simplified Procedures for Water Examination, sixth edition	\$153	\$96
30020	M20 Water Chlorination & Chloramination Practices & Principles, second edition	\$142	\$84
30021-4E	M21 Groundwater, fourth edition	\$153	\$96
30030	M30 Precoat Filtration, second edition	\$96	\$60
30037	M37 Operational Control of Coagulation and Filtration Processes, third edition	\$128	\$82
30038	M38 Electrodialysis and Electrodialysis Reversal	\$116	\$72
30046	M46 Reverse Osmosis and Nanofiltration, second edition	\$175	\$107
30048	M48 Waterborne Pathogens, second edition	\$175	\$107
30053-2E	M53 Microfiltration and Ultrafiltration Membranes for Drinking Water, second edition	\$175	\$107
30056-2E	M56 Nitrification Prevention and Control in Drinking Water, second edition	\$178	\$109
30057	M57 Algae: Source to Treatment	\$308	\$197
30061	M61 Desalination of Seawater	\$153	\$96
30065	M65 On-site Generation of Hypochlorite	\$153	\$96


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30002 M2 Instrumentation & Control, third edition	\$158	\$97
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30009 M9 Concrete Pressure Pipe, third edition	\$153	\$96
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30014-4E M14 Backflow Prevention and Cross-Connection Control: Recommended Practices, fourth edition	\$152	\$94
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30027-3E M27 External Corrosion Control for Infrastructure Sustainability, third edition	\$113	\$70
30028-3E M28 Rehabilitation of Water Mains, third edition	\$116	\$72
30031 M31 Distribution System Requirements for Fire Protection, fourth edition	\$116	\$72

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NEW 30032-4E M32 Computer Modeling of Water Distribution Systems, fourth edition	\$149	\$93
30033 M33 Flowmeters in Water Supply, second edition	\$116	\$72
30036-4E M36 Water Audits and Loss Control Programs, fourth edition	\$175	\$122
30041 M41 Ductile-Iron Pipe and Fittings, third edition	\$158	\$97
30042-RE M42 Steel Water-Storage Tanks, revised edition	\$153	\$96
30044-3E M44 Distribution Valves: Selection, Installation, Field Testing & Maintenance, third edition	\$116	\$72
30045-3E M45 Fiberglass Pipe Design, third edition	\$149	\$93
30049-2E M49 Quarter-Turn Valves: Torque, Headloss and Cavitation Analysis, second edition	\$116	\$72
30051-2E M51 Air Valves: Air Release, Air/Vacuum, and Combination, second edition	\$96	\$60
30055 M55 PE Pipe Design and Installation	\$142	\$84
NEW 30058-2E M58 Internal Corrosion Control in Water Distribution Systems, second edition	\$185	\$110
30063 M63 Aquifer Storage and Recovery	\$149	\$93
30066 M66 Cylinder and Vane Actuators and Controls—Design and Installation	\$147	\$91
NEW 30068 M68 Water Quality in Distribution Systems	\$147	\$91

