



AMERICAN SOCIETY OF SANITARY ENGINEERING ILLINOIS CHAPTER – JULY 2024 – NEWSLETTER

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“THE ILLINOIS CHAPTER OF THE AMERICAN SOCIETY OF SANITARY ENGINEERING THANK OUR BROTHERS AND SISTERS, AT THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS FOR THEIR DEDICATION TO THE HEALTH AND SAFETY OF THE PEOPLE OF THE WORLD.”

“WORKING WELL WITH OTHERS”

Published by: Joseph W. Sowa Sr.

President’s Thoughts:

Every organization must review its by-laws every five years. This doesn’t mean that any changes must be made to the existing by-laws, only that they must be revisited. This process is currently being implemented. Hopefully, everyone gets the opportunity to enjoy their favorite summer activities, but please make sure to drink enough fluids, especially water, to stay hydrated in this hot weather we have been experiencing lately. Before we realize it, the cold weather will be here, and we’ll be looking for some of this heat.

Joe

Some Codes that an Architect, Contractor, Engineer, Plumber, or Plumbing Inspector, who are employed in the State of Illinois, should be familiar with:

United Access Board (ADA)	SUBCHAPTER m: FOOD, DRUGS AND COSMETICS PART 730 MANUFACTURING, PROCESSING, PACKING OR HOLDING OF FOOD CODE	SCHOOLS (105 ILCS 5/) School Code. (105 ILCS 5/Art. 14 heading) ARTICLE 14. CHILDREN WITH DISABILITIES
DEPARTMENT OF JUSTICE Office of the Attorney General 28 CFR Part 38 [Order No. 2042 - 96] ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD 36 CFR Part 1191 [Docket No. 94-2] RIN 3014-AA17 Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities; Children's Facilities AGENCIES: Architectural and Transportation Barriers Compliance Board and Department of Justice.	SUBCHAPTER r: WATER AND SEWAGE PART 910 FIELD SANITATION CODE SECTION 910.40 DRINKING WATER FACILITIES	SUBCHAPTER q: MOBILE HOMES PART 870 MANUFACTURED HOME INSTALLATION CODE
ANSI/AWWA C651-14 (Revision of ANSI/AWWA C651-05)	SUBCHAPTER s: MIGRANT LABOR PART 935 MIGRANT LABOR CAMP CODE SECTION 935.65 REQUIRED SANITARY FACILITIES	HEALTH FACILITIES AND REGULATION (210 ILCS 117/) Abandoned Mobile Home Act
Guidelines for Environmental Infection Control in Health-Care Facilities	SUBCHAPTER r: WATER AND SEWAGE PART 925 ILLINOIS WATER WELL PUMP INSTALLATION CODE	SUBCHAPTER q: MOBILE HOMES PART 860 MANUFACTURED HOME COMMUNITY CODE
Emergency Management Strategies: High Volume Patient Decontamination	SUBCHAPTER r: WATER AND SEWAGE PART 915 WATER WELL AND PUMP INSTALLATION CONTRACTOR'S LICENSE CODE SECTION 915.40 SUPERVISION	PUBLIC SAFETY (430 ILCS 115/) Illinois Modular Dwelling and Mobile Structure Safety Act.
Illinois Energy Conservation Code (20 ILCS 3125/15)	SUBCHAPTER n: RECREATIONAL FACILITIES PART 800 RECREATIONAL AREA CODE	HEALTH FACILITIES AND REGULATION (210 ILCS 115/) Mobile Home Park Act.
Chapter I: Department of Public Health Subchapter m: Food, Drug and Cosmetics Part 750 Food Code	SUBCHAPTER n: RECREATIONAL FACILITIES PART 810 YOUTH CAMP CODE	Regulation of Factory Built Structures in Illinois
SUBCHAPTER r: WATER AND SEWAGE PART 920 WATER WELL CONSTRUCTION CODE	SUBCHAPTER b: HOSPITAL AND AMBULATORY CARE FACILITIES PART 205 AMBULATORY SURGICAL TREATMENT CENTER LICENSING REQUIREMENTS	SUBCHAPTER r: WATER AND SEWAGE PART 900 DRINKING WATER SYSTEMS CODE SECTION 900.20 GENERAL REQUIREMENTS
SECTION 920.90 CONSTRUCTION MATERIALS AND OTHER REQUIREMENTS	PART 830 STRUCTURAL PEST CONTROL CODE SECTION 830.1100 PROTECTION OF POTABLE WATER SUPPLIES	PART 892 LAWN IRRIGATION CONTRACTOR AND LAWN SPRINKLER SYSTEM REGISTRATION CODE SECTION 892.25 PROVIDERS OF LAWN SPRINKLER DESIGN AND INSTALLATION COURSES
Food Code; 2017 Recommendations of the United States Public Health Service Food and Drug Administration	SUBCHAPTER n: RECREATIONAL FACILITIES PART 820 SWIMMING FACILITY CODE	SUBCHAPTER r: WATER AND SEWAGE PART 895 PUBLIC AREA SANITARY PRACTICE CODE
SUBCHAPTER q: MOBILE HOMES PART 860 MANUFACTURED HOME COMMUNITY CODE	Part 518 - FREESTANDING EMERGENCY CENTER Code	FEMA Design and Construction Guidance for Community
SUBCHAPTER r: WATER AND SEWAGE PART 925 ILLINOIS WATER WELL	SUBCHAPTER r: WATER AND SEWAGE PART 905 PRIVATE SEWAGE DISPOSAL CODE	

PUMP INSTALLATION CODE
SECTION 925.40 PUMP INSTALLATION
NUCLEAR SAFETY
(420 ILCS 46/) Illinois Radon Awareness Act.
United States Environmental Protection
United States Environmental Protection Agency
Drinking Water Requirements for States and Public Water Systems
Lead in Drinking Water in Schools and Childcare Facilities

SUBCHAPTER c: LONG-TERM CARE FACILITIES
PART 340 ILLINOIS VETERANS' HOMES CODE

SUBCHAPTER b: ACCESSIBILITY STANDARDS
PART 400 ILLINOIS ACCESSIBILITY CODE
SECTION 400.APPENDIX A ILLINOIS ACCESSIBILITY CODE

Americans with Disabilities Act and Architectural Barriers Act
Accessibility Guidelines

SUBCHAPTER c: LONG-TERM CARE FACILITIES
PART 300 SKILLED NURSING AND INTERMEDIATE CARE FACILITIES CODE

American Water Works Association
ANSI/AWWA C651-14
Disinfecting Water Mains

SUBCHAPTER r: WATER AND SEWAGE
PART 905 PRIVATE SEWAGE DISPOSAL CODE
SECTION 905.60 SUBSURFACE SEEPAGE SYSTEM CONSTRUCTION REQUIREMENTS

(410 ILCS 35/) Equitable Restrooms Act

SUBCHAPTER c: LONG-TERM CARE FACILITIES
PART 295 ASSISTED LIVING AND SHARED HOUSING ESTABLISHMENT CODE

(410 ILCS 655/) Safe Bottled Water Act.

SUBCHAPTER p: HAZARDOUS AND POISONOUS SUBSTANCES
PART 845 LEAD POISONING PREVENTION CODE

SECTION 905.60 SUBSURFACE SEEPAGE SYSTEM CONSTRUCTION REQUIREMENTS

SUBCHAPTER f: EMERGENCY SERVICES AND HIGHWAY SAFETY
PART 518 FREESTANDING EMERGENCY CENTER CODE

HEALTH FACILITIES AND REGULATION
(210 ILCS 85/) Hospital Licensing Act.
(410 ILCS 650/) Sanitary Food Preparation Act

SUBCHAPTER r: WATER AND SEWAGE
PART 892 LAWN IRRIGATION CONTRACTOR AND LAWN SPRINKLER SYSTEM REGISTRATION CODE
SECTION 892.30 LICENSED PLUMBERS RESPONSIBLE FOR INSTALLATION OF LAWN SPRINKLER SYSTEM

SUBCHAPTER m: FOOD, DRUGS AND COSMETICS
PART 785 MANUFACTURED DAIRY PRODUCTS

SUBCHAPTER r: WATER AND SEWAGE
PART 900 DRINKING WATER SYSTEMS CODE

Safe Rooms
Environmental Barriers Act and the Illinois Accessibility Code covers:
State of Illinois Food and Sanitation Code
Subchapter b: hospitals and ambulatory care facilities
Part 250 hospital licensing requirements



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The IntelliOil, an intelligent oil-sensing control system, is designed to help protect the environment and equipment from the dispersion of oil and hydrocarbons in elevator pit applications. Our complete system solutions for elevator pits and vaults include packaged pump systems. We can customize a complete package that is tailor-made to meet the unique specifications of each project.

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- 3. OIL SENSING PROBES**
If probes lose contact with water (oil presence), the system turns off the pump to ensure no oil gets pumped out, and an audible alarm will sound to notify the presence of oil in the pit.
- 4. FLOAT SWITCH**
As the water level rises and falls, the float switch will trigger the run of the pump.

Typical Installation Diagram

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Additional Information:

- 3 different models
 - 120V, 15A | 120V, 20A | 208/240V, 15A
- System status indicators and audible alarm
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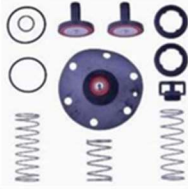
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Ames 7010046 – 2 ½"-10" Total Relief Valve Kit for a C/M 400/C500

Kit Includes: Complete RV with 36" Hose, RV O-Ring and Lube



Ames 7010097 – First Check Assembly 2 ½"-4" for Ames 2000/3000SS

Kit Includes: 1st Check Assembly, O-Ring and Lube

Ames 7010114 –Relief Valve Kit 2 ½" -10" for 4000SS RP and 5000SS RPDA

Kit Includes: Complete Relief Valve Assembly, Relief Valve O-Ring, Lube

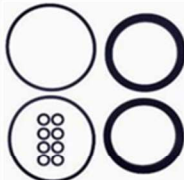


Watts 0794090 – Complete Total Rubber Kit 4" for 909 RP; *Lead Free* (Previously 0887751)

Kit Includes: Check Disc, Cover O-Ring, Sleeve O-Ring, Piston O-Ring, RV Disc Assembly, Diaphragm, Piston

RK 4-350
4" 350AST, 4" 375AST

Kit Includes: (2) Check Disc Rubber, (2) Cover O-Ring, (8) Bolt O-Ring, Lube



Apollo-Conbraco: 40-004-A1 – ¾"-1" Major Repair Kit for 40-200 RP

Kit Includes: RV Bushing, RV Stem, Diaphragm Plate, (2) Poppet, RV Diaphragm, RV Seat Disc, (2) Check Seat Disc, Stem O-Ring, Bushing O-Ring, (2) Check Cap O-Ring, RV Spring, (2) Screw, (2) Retaining washier, (2) Check Seat, (2) O-Rings, RV Seat, RV O-Ring



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Please CHECK which class you would like to attend:

****All classes will be from 5pm – 9pm with Dinner included****

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This course is focused on refreshing the Cross Connection Tester on testing procedures as well as hands on repairs for approved assemblies for the state of Illinois. During this class we will be going over our NEW mechanical wall, show you how water pressure fluctuations affect backflow assemblies, how to remedy the situation and be able to see it in a live setting. Also new this year is the Flood Control Integrated System by Wilkins; this system can be designed to shut off a specific water line when a backflow goes into a full dump situation.

- | | | |
|--|--|---|
| <input type="checkbox"/> Thursday, January 16 th | <input type="checkbox"/> Thursday, February 27 th | <input type="checkbox"/> Thursday, April 2 nd |
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NEW!! LARGE BACKFLOW REPAIR (SMALL GROUP) - Max 12 attendees per class \$125 per person

Small group backflow repair class. Classes will consist of 3 individual groups working with an individual instructor to do hands on testing, diagnosis, and repair of large backflow assemblies only. The repair class will involve repairing of the following backflow assemblies:

- 4" Febco 825YD • 3" Watts 009 • 4" Wilkins 375AST
- 4" Ames 400SS • 8" Ames Maxim 400 • 3" Watts 909

- | | | |
|--|---|---|
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| | | <input type="checkbox"/> Tuesday, April 21 st |

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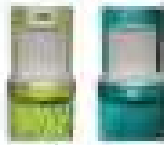
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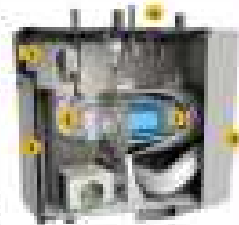


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WATER HEATERS



**Brute FT® Wall-Hung
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Model Numbers:
BFTHW-301 & BFTHW-302

Product Features:

- STAINLESS STEEL HEAT EXCHANGER
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- 30 PPM ANTI-LEGIONELLA PVP
- PRESSURE GAUGE
- BUILT-IN CONDENSATE TRAP
- PERMITS CONDENSATE PUMP BACKUP
- AVAILABLE WITH 1000 BTU/HR
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