



ASPE NEWS

Cleveland Chapter of The American Society of Plumbing Engineers

October 2009

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From the President:



We had a good turnout for our 12th annual Clam Bake last month. Over 40 members and guests attended the event. Going back to the outdoor venue this year was a positive one. The weather certainly helped as it was picture perfect outside, and the food, well I still think the Clam Chowder was some of the best I have ever had! I would like to give special thanks to **Craig McDowell** for volunteering his time in organizing this event. I think everybody had a great time. I have included some pictures of the Clam Bake courtesy of Bob Tesar of ASSE.

Our first meeting will be held next week Wednesday October 14th at Harry's Steakhouse in Independence. The topic of discussion will be on Commercial Water Reclamation Systems with Guest Speaker **Brian Soderholm** of the Water Control Corporation.

This month's meeting is also **Guest night**. This is a great opportunity for members to invite one non-member guest to the meeting. There is no cost for the sponsored non-member and dinner will be provided. It is our goal to introduce Designers, Draftsman and engineers to ASPE in hopes that they see the benefits of this organization and consider becoming a member and joining us on a monthly basis.

This year's upcoming **Technical Symposium** is scheduled for October 22nd through the 25th and will be located in Dearborn, Michigan. I have not heard much from the membership on any interested attendees! You don't want to miss this one since it's in our own backyard. Remember to take advantage of the transportation stipend that is being offered for those traveling with 4 or more people. In order to take advantage of the transportation stipend you must also be registered for stay at the Hyatt Regency Hotel. The deadline for room reservations at the Hyatt was September 20th however, I personally called the Hyatt and as of October 3rd rooms are still available. If you still need to make reservations please call 313-593-1234. If you have not noticed there are a lot of excellent classes in this year's program covering Green Buildings and Sustainability so don't miss this opportunity. If you did not receive the information please let me know and I will send it to you.

In addition to the Transportation Stipend being offered by ASPE, there is also a **flight discount** of 5% off the lowest eligible published airfare through American Airlines or American Eagle for those wishing to fly the friendly skies. This offer is valid from October 19th through the 28th for all attendees of the Technical Symposium. Book online today at www.aa.com and use promotional code 45H9AY. There is no ticketing fee at this time if you register online.

Inside this Newsletter is an article of which you may find of interest regarding sprinklers and the IRC. As you may or may not be aware the future 2012 IRC mandating sprinklers in all new light weight construction in residential occupancies is being threatened by the National Association of Home Builders (NAHB) with proposals to void these requirements. There is an upcoming hearing on October 28th in Baltimore. Refer to the article for more information if you wish to vote against these proposals. Help spread the word. Send this article to as many interested parties.

**2009-2010 ASPE Meeting/Plumbing Class Schedule
October 2009**

<u>Date – Time – Place</u>	<u>Agenda</u>	<u>Speaker</u>	<u>Exhibitors</u>
September 9, 2009 – 5:00 PM Cleveland Yachting Club Cost: \$34.00	Clam Bake Topic – Open discussions on the future of the ASPE Cleveland Chapter	Open Table Discussion	N/A
October 14, 2009 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – Commercial Water Reclamation Systems	Brian Soderholm (Water Control Corporation)	Water Control Corporation Highland Tank
November 10, 2009 – 5:00 PM *Tuesday Meeting* Harry's Steakhouse Cost: \$24.00	Topic –NEORD Long Term Control Plan for Mitigating Combined Sewer Overflows		TBD
December 9, 2009 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – Chemical Waste & Vent Piping Systems	Steven Leek (SCHOTT North America)	SCHOTT
January 13, 2010 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – TBD		TBD
February 10, 2010 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – Fuel Gas Systems	Ron George (Ron George & Associates)	TBD
March 10, 2010 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – TBD		TBD
April 14, 2010 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – TBD		TBD
May 12, 2009 – 5:00 PM Harry's Steakhouse Cost: \$24.00	Topic – TBD		TBD

**2009-2010 ASPE Meeting/Plumbing Class Schedule
October 2009**

The above is the meeting/plumbing class schedule for the 2009-2010 ASPE year. Updated information will appear in subsequent newsletter issues. All meetings will be at Harry's Steakhouse, 5664 Old Brecksville Road, Independence unless otherwise indicated. The meeting/plumbing class, including dinner, is \$24.00. Reservations are required. A mini product show will be held before each meeting/plumbing class highlighting some of the materials discussed in class or products that will assist the engineer in understanding what they are designing or specifying. All plumbing classes will qualify for 0.1CEU hours and will assist in preparation for the ASPE CPD examination.

The following times will be enforced as strictly as possible.

Make your reservations a minimum of two days before the meeting/class and try to be on time.

- Mini product show 5:00 to 6:00 Dinner 6:00
- ASPE business 6:30 Plumbing Class 6:45 to 7:45



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- Friday through Sunday, October 23–25: Three-hour comprehensive technical programs in five technical tracks over 2½ days — that's 25 educational events from which to choose.
- Handout material with the latest technical information.
- The opportunity for 15 educational contact hours — earn 15 PDHs or 1.5 CEUs.
- Complimentary continental breakfasts and breaks on Friday, Saturday, and Sunday.
- Complimentary lunch on Friday and Saturday.
- The chance to win one of the dozen new laptop computers to be given away Friday and Saturday.

Register online at: www.ASPEuniversity.org

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for registration form

2009 Hotel Registrations

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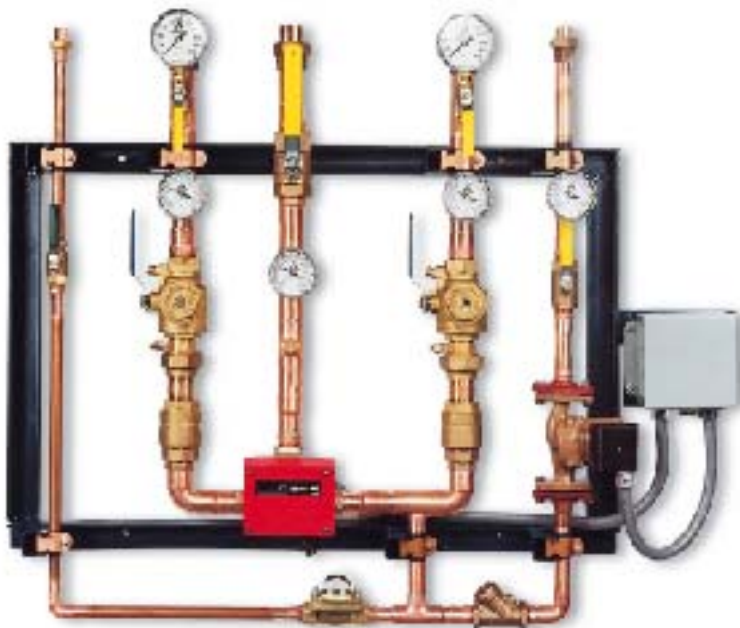
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John Griffin
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Drew Koenig
October 29th

Raymond Lisowski
October 25th

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ASPE / ASSE Annual Clambake Photos September 9, 2009



ASPE / ASSE Clambake - September 9, 2009 - Cleveland Yachting Club - Rocky River, OH



*Everyone attending enjoyed the great food and company between both organizations
ASPE / ASSE Clambake - September 9, 2009 - Cleveland Yachting Club -Rocky River, OH*

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From the President (Continued):

The 2010 series of **ASPE Webinars** with dates and topics is currently being developed. Please visit the ASPE website for updates as they become available. Also if you have a question or a suggested webinar topic you can email Cliff Reis, Education Manager at creis@aspe.org. If your company is interested in sponsoring one of the webinars in 2010, contact David Jern at djern@aspe.org.

I'm looking forward to seeing everyone at our first meeting on October 14th.

Michael Drab
President, Cleveland Chapter



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- The ideas that can be brought back and implemented result in savings worth many times the cost of attending.
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From V.P. Legislative:

The International Code Council has released a monograph of proposed code changes that will be heard during Code Development Hearings, Oct. 24–31 and Nov. 4–11, at the Hilton Baltimore. Below are some of the changes proposed at the hearing. To view all of the proposed code changes go to <http://www.iccsafe.org/cs/codes/2009-10cycle/proposedchanges/ipc.pdf>

P79–09/10

607.2

Proponent: Guy Tomberlin of Virginia representing himself.

Revise as follows:

607.2 Hot or tempered water supply to fixtures supply temperature maintenance. Where the developed length of hot water piping from the source of hot water supply to the furthest fixture exceeds 100 feet (30 480 mm), the hot water supply system shall be provided with a method of maintaining the temperature in accordance with the International Energy Conservation Code. The developed length of hot or tempered water piping, from the source of hot water to the fixtures that require hot or tempered water, shall not exceed 40 feet (12192mm). Recirculating system piping and heat traced piping shall be considered to be sources of hot or tempered water.

P80–09/10

607.2

Proponent: Ronald L. George, CIPE, CPD, President of Ron George Design & Consulting Services representing himself

607.2 Hot water supply temperature maintenance. Where the *developed length* of hot water piping from the source of hot water supply to the farthest fixture exceeds 50 feet (15 240mm), the hot water supply system shall be provided with a method of maintaining the temperature in accordance with the *International Energy Conservation Code*.

P129–09/10

914 (New)

Proponent: Robert Evans, CPD/ASPE Legislative Committee/ASPE

Add new section as follows:

SECTION 914

SINGLE STACK VENT SYSTEM

914.1 Where permitted. A drainage stack shall serve as a single stack vent system where sized and installed in accordance with Sections 914.2 through 914.9. The drainage stack and branch piping shall be the vents for the drainage system. The drainage stack shall have a stack vent.

914.2 Stack size. Drainage stacks shall be sized in accordance with Table 914.2. Stacks shall be uniformly sized based on the total connected drainage fixture unit load. The stack vent shall be the same size as the drainage stack. A 3-inch stack shall serve not more than two water closets.

P134–09/10

1002.1

Proponent: Donald R. Monahan, PE, Walker Parking Consultants, representing the National Parking Association and the Automated & Mechanical Parking Association

Revise as follows:

1002.1 Fixture traps. Each plumbing fixture shall be separately trapped by a liquid-seal trap, except as otherwise permitted by this code. The vertical distance from the fixture outlet to the trap weir shall not exceed 24 inches (610 mm), and the horizontal distance shall not exceed 30 inches (610 mm) measured from the centerline of the fixture outlet to the centerline of the inlet of the trap. The height of a clothes washer standpipe above a trap shall conform to Section 802.4. A fixture shall not be double trapped.

From V.P. Legislative (Continued):

Exceptions:

1. This section shall not apply to fixtures with integral traps.
2. A combination plumbing fixture is permitted to be installed on one trap, provided that one compartment is not more than 6 inches (152 mm) deeper than the other compartment and the waste outlets are not more than 30 inches (762 mm) apart.
3. A grease interceptor intended to serve as a fixture trap in accordance with the manufacturer's installation instructions shall be permitted to serve as the trap for a single fixture or a combination sink of not more than three compartments where the vertical distance from the fixture outlet to the inlet of the interceptor does not exceed 30 inches (762 mm) and the *developed length* of the waste pipe from the most upstream fixture outlet to the inlet of the interceptor does not exceed 60 inches (1524 mm).
4. Where floor drains in multi-level parking structures are required to discharge to a combined building sewer system, the floor drains shall not be required to be individually trapped provided that they are connected to a main trap in accordance with Section 1103.1.

P152-09/10

202 (New), 301.3, Chapter 13 (New), Appendix C; IRC R202, P2601.2, Section P3009 (New),

Appendix O

Proponent: Guy Tomberlin of Fairfax County, Virginia, Virginia Plumbing and Mechanical Inspectors, Virginia Building and Code Officials and ICC Region 7.

PART I – IPC

1. Add definition as follows:

GRAY WATER. Waste discharged from lavatories, bathtubs, showers, clothes washers and laundry trays.

2. Revise as follows:

301.3 Connections to drainage system. All Plumbing fixtures, drains, appurtenances and appliances used to receive or discharge liquid wastes or sewage shall be directly connected to the sanitary drainage system of the building or premises, in accordance with the requirements of this code. This section shall not be construed to prevent indirect waste systems required by Chapter 8.

Exception: Bathtubs, showers, lavatories, clothes washers and laundry trays shall not be required to discharge to the sanitary drainage system where such fixtures discharge to an approved gray water system for flushing of water closets and urinals or for subsurface landscape irrigation.

3. Delete Appendix C in its entirety without substitution

Dan Evans CPD, LEED AP
V.P. Membership, Cleveland Chapter

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CALL TO ACTION

Mobilize to Defend IRC Fire Sprinkler Requirements Mark Your Calendar for Wednesday, October 28th

The 2009-2012 International Residential Code (IRC) development cycle is now underway, and to our disappointment, the National Association of Home Builders (NAHB) has submitted proposals to rescind home fire sprinkler requirements. This misguided effort disregards the demonstrated value of sprinklers in saving lives and reducing human suffering associated with residential fires. To protect the public and firefighters, we must once again stand tall by opposing these changes.

What can I do to help? 1) VOTE AGAINST THESE PROPOSALS, AND 2) SPREAD THE WORD. NAHB's proposals and others impacting fire- and life-safety (among them, proposals to require protection of lightweight construction in residential occupancies), will be heard at the International Code Council's (ICC) upcoming hearing in Baltimore, MD, on Wednesday, October 28th. Your attendance and vote are critical to keeping fire sprinkler requirements in the IRC.

What's required to vote? YOU MUST BECOME AN ICC MEMBER PRIOR TO OCTOBER 14TH (if you're not already a member) and you must attend the Baltimore hearing. Anyone with an interest in ICC codes can be a member (this includes firefighters, contractors, engineers, members of the public, etc.). It only takes a few minutes to sign up online. For more information, go to www.IRCFireSprinkler.org/2009BaltimoreHearing.aspx.

Can I vote without going to Baltimore? NO, you must be present to vote (no proxies allowed).

Do I have to be a government official to vote? NO, at this hearing, any ICC member, regardless of membership category, may vote.

Can ICC government agency members send more than the 4, 8 or 12 voting delegates allowed by their agency membership? YES, additional employees (including firefighters) can join ICC for \$35 as Associate Members, and these individuals will be permitted to vote in Baltimore.

How important is the Baltimore vote? THE FUTURE OF RESIDENTIAL FIRE SAFETY IN AMERICA MAY WELL HINGE ON THIS VOTE. Winning the Baltimore vote would largely assure that sprinklers will remain a requirement in the 2012 IRC. Losing the vote would 1) Almost certainly derail the progress that we've made in states that are moving towards requiring sprinklers in new homes based on the 2009 codes, and 2) Place the IRC sprinkler requirements at risk of being removed from the 2012 code at ICC's final action hearing next year.

Fire- and life-safety advocates demonstrated their commitment to safe housing last year by making an unprecedented showing at ICC's final action hearing in Minneapolis. Minneapolis represented the successful culmination of a 30-year effort to have model codes require fire sprinklers as a standard feature in all new homes. We must now ensure that this victory does not slip through our fingers.

Home fire sprinklers represent the best chance that we have of striking at the heart of America's fire problem. Please come to Baltimore and help us send a strong message to sprinkler opponents that America's Fire Service and others who support fire safe homes will not yield on this issue.

For more information, go to www.IRCFireSprinkler.org.



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American Plumber www.americanplumber.com	Sediment cartridge filters, drinking water systems, water softeners, media filters, point of use filters and specialty filters.
Aqua Glass www.aquaglass.com	Acrylic and gelcoat fiberglass shower stalls, bathtubs, soaking tubs, whirlpools, multi-piece, special care, wall kits and laundry tubs for residential, commercial and institutional.
Bermad www.bermad.com	Automatic control valves for: pressure reducing, fire protection control, pressure relief, pump control, float, check, altitude, flow and hydrometers.
Bosch Pro Tankless Water Heaters www.boschpro.com	Tankless instantaneous water heaters. Wall hung hydronic boilers.
Bosch Tools www.boschtools.com	Corded and cordless power tools and accessories including the following products for the professional contractor: <i>Bosch, Skil, Dremel, Roto-Zip, Litheon</i> .
Bradley Corporation www.bradleycorp.com	Washfountains, <i>Express</i> and <i>Frequency</i> lavatory systems, <i>Ndite</i> technology, <i>Navigator</i> thermostatic mixing valves, showers, safety equipment, metering faucets, security fixtures, patient care units, <i>Terreon</i> solid surface products.
Creative Industries www.creative-terrazzo.com	Pre-cast terrazzo shower floors, mop basins, concrete laundry tubs and stairs or benches, terrazzo or concrete or glass counter tops and custom terrazzo products.
Eemax / HHP Home Heating Products www.eemaxinc.com www.hhproductsinc.com	Electric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters, Home Heating Products <i>Thermostone</i> decorative towel warmers and room heating stones, <i>Solar Shower</i> solar powered outdoor shower system.
Marlo www.marlo-inc.com	Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment.
Mifab www.mifab.com	Cast iron floor drains, floor sinks, roof drains, cleanouts, carriers, interceptors, hydrants, shock absorbers, trap primers, backwater valves, access doors, no-hub couplings, pipe markers, roof blocks, <i>Proformer</i> modular trench drain system, <i>Beeco</i> backflow's and prv's.
Moen Commercial www.moencommercial.com	Commercial, industrial & institutional faucets and fittings. <i>FreeHand</i> sensor operated flush valves and faucets.
Plumberex www.plumberex.com	<i>Pro-Extreme, Trap Gear, Handy Shield Maxx</i> and <i>Clear Shield</i> lavatory trap and riser insulation kits. <i>Mushroom Flange and Floor Sink Carrier</i> specialty products.
Proceptor / Green Turtle www.proceptor.com	Fiberglass oil, grease, and solids interceptors with 30-year bonded warranty, available as decontamination or storage tank, double wall, leak detection and level sensing. <i>PHIX</i> acid neutralization systems. <i>Retroceptor</i> kitchen and <i>Microceptor</i> coffee grinds interceptors.
Pro-Grit Products www.pro-gritproducts.com	Open Mesh Sand Cloth that is rugged, durable and will last longer than other abrasive products. Each 10 yard roll is 180 grit and comes in four highly visible fluorescent colors.
Raychem / Tyco Thermal Controls www.tycothermal.com	<i>HWAT-Plus</i> self-regulating heating cable system for domestic hot water, <i>XL-Trace</i> freeze protection cable, <i>Pyrotex MI</i> and <i>Electromelt</i> snow and anti-icing cable, <i>IceStop</i> roof and gutter de-icing cable, <i>RaySol</i> floor warming and freezer frost heave cable, <i>QuickNet</i> floor heating cable.
Schott Scientific Glass / Kimax www.us.schott.com/drainline	Glass piping for acid waste and containment piping systems. <i>Knight-Ware</i> acid neutralizing sumps.
Water Control Corporation www.watercontrolinc.com	Rainwater Reclamation Systems with Ultraviolet or Ozone purification, vortex downspout separators, storage tanks and complete controls for turnkey systems.
Waterless Company www.waterless.com	<i>Waterless</i> “No Flush” vitreous china and fiberglass urinals with <i>EcoTrap</i> and <i>Blue Seal</i> liquid. <i>UTC Sentinel</i> sensor flushing systems. <i>Everprime</i> floor drain trap primer liquid. <i>Signature</i> and <i>Greenclean</i> chemicals.
Additional Products Distributed: www.repsourcecell.com	Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom Accessories, Lockers (solid plastic and metal), Wall and Corner Guards, Wall Covering and Handrail, Cubicle Track and Curtains, Entrance Flooring, Building Louvers-Grilles-Sunshade, Interior and Exterior Expansion Joints, Water Treatment Products.

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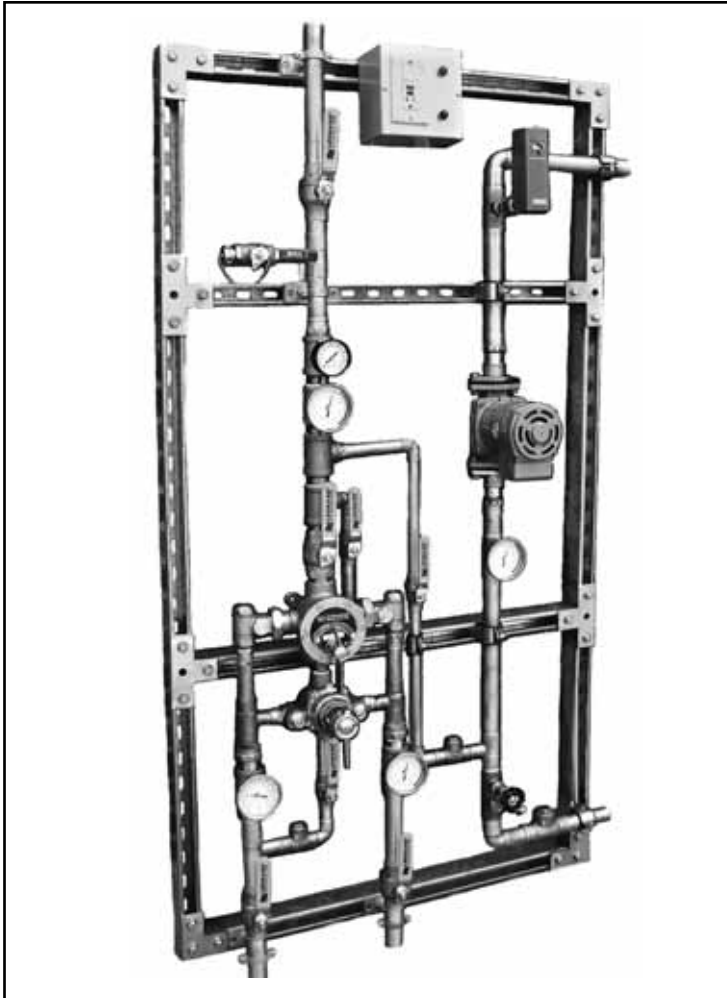
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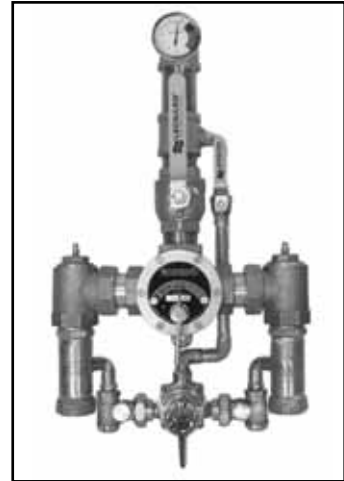
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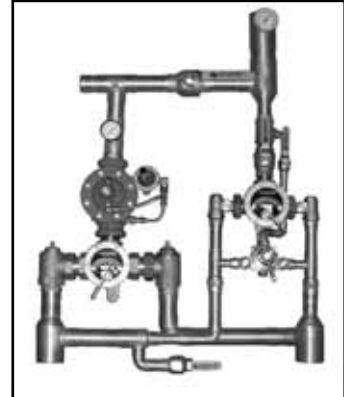
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Single Models with Integral Cold Water By-Pass



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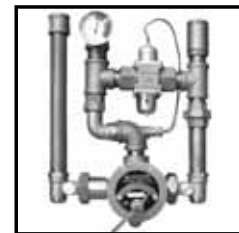
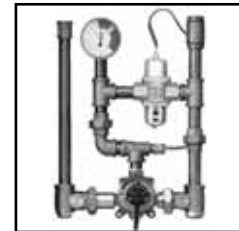
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Single Drench/
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Multiple Drench/
Combination Showers

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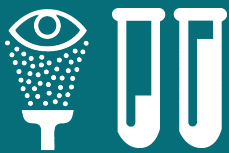
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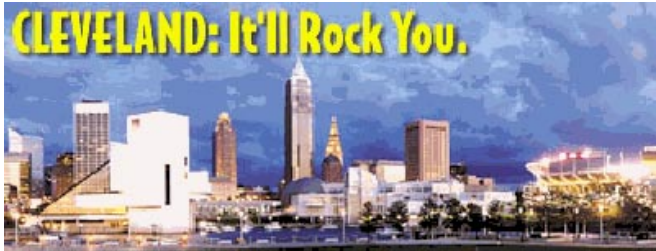
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