AGENDA
PUBLIC MEETING
Building Inspection Department Advisory Committee
April 24, 2014 at 11:30 AM
City Council Chambers
305 3rd Avenue East Twin Falls, ID 83301

BUILDING ADVISORY BOARD MEMBERS

Gary Bond Dan Brizee Darren Hall Vice-Chair Sean Knutz Roger Laughlin Scott McClure James Ray

Jay Reis Scott Standley Chair

NOTICE OF SPECIAL MEETING

Building Inspection Department Advisory committee

I. CALL MEETING TO ORDER:

1. Confirmation of quorum

II. CONSENT CALENDAR:

1. Approval of Minutes from the following meeting(s): January 9, 2014 & March 20, 2014

III. ITEMS FOR DISCUSSION:

1. Election of Officers
2. Adoption of Code Amendments & Resolutions
   a. Building
   b. Plumbing
   c. Mechanical
3. New Fee Resolution
4. The ISPC requirement for water temperature limiting device on 2 handle tub's in residential plumbing.

IV. INPUT AND/OR ITEMS FROM THE BUILDING ADVISORY BOARD

V. UPCOMING MEETINGS/SCHEDULE:

VI. ADJOURN MEETING:

Any person(s) needing special accommodations to participate in the above noticed meeting should contact Wendy Thompson at (208) 735-7238 at least two (2) working days before the meeting.

Si desea esta información en español, llame Leila Sanchez al (208)735-7287

MINUTES
PUBLIC MEETING
Building Inspection Department Advisory Committee
January 9, 2014 at 11:30 AM
City Council Chambers
305 3rd Avenue East Twin Falls, ID 83301

BUILDING ADVISORY BOARD MEMBERS

Gary Bond Dan Brizee Darren Hall Vice-Chair Sean Knutz Roger Laughlin Scott McClure James Ray

Jay Reis Scott Standley Chair

Members Present: Sean Kuntz, Scott McClure, Scott Standley, Darren Hall, Roger Laughlin, James Ray, Jay Reis, Dan Brizee

Members Absent: Gary Bond

Staff Present: Mitch Humble, Dwaine Thomson, Raub Owens, Jarrod Bordi, Jon Laux, Jon Victor, Stephen Harr, Wendy Thompson

Guests: Linda Fleming

I. CALL MEETING TO ORDER:

1. Darren Hall, Vice- Chair, opened meeting at 11:31 am and confirmation of quorum

II. CONSENT CALENDAR:

1. Approval of Minutes from the following meeting(s): August 15, 2013 & November 21, 2013

   Dan Brizee made a motion to approve both sets of minutes. Jay Reis seconded the motion. The motion passed unanimously.

III. ITEMS FOR DISCUSSION:

1. Code Adoption

Jon Laux discussed the current code adoption as of January 1, 2014 and what codes will be adopted next January 2015.

James Ray: Do we need to agree to adopt it?

Jon Laux: It is adopted with whatever amendments went through the board. Whatever is adopted by the Legislature with the Idaho amendments.

Darren Hall, Vice-Chair, turned the meeting over to Scott Standley, Chair.

2. Proposed ordinance to increasing Crawl Space Clearance

Dwaine Thomson showed handout and diagram. Discussion followed regarding conditioned and unconditioned crawl spaces and possible expense to the homeowners versus the need for more space in the crawl space.

Mitch Humbolt: Let's have a motion and vote by the board making a recommendation to the City Council.

Motion made by James Ray to increase the minimum distance from the ground to the bottom of the floor joist to 30" as prescribed by Jon. Second by Sean Knutz. Motion passed unanimously.

3. Adoption of 2009 International Residential Code Appendix G – Swimming Pools, Spas & Hot Tubs

Dwaine Thomson discussed the need to adopt this section of the code due to the old ordinance being taken out of current code. Mitch explained how the old ordinance for swimming pools was taken out of the current code and that adoption of this section is an action of the City Council so this board needs to make a recommendation regarding that. Discussion by the board followed.

Motion made by Dan Brizee to recommend to the City Council to put in play Appendix G. Seconded by Scott McClure. Motion passed unanimously.

4. Fee Change Follow-up

Mitch opened this item for general discussion about the new fee structure and how it is working and a discussion about accurate valuation of the construction. Discussion from the board members followed with Mitch responding to any comments and/or concerns.

Scott Standley paused meeting for lunch at 12:17 pm.

Scott Standley resumed meeting at 12:30 pm

IV. INPUT AND/OR ITEMS FROM THE BUILDING ADVISORY BOARD

1. Dan Brizee brought up changing the way permits are issued or changing method of payment to make pulling permits easier for the sub-contractors. Discussion followed.

2. Darren Hall brought up the sewer treatment plant upgrades and asked for information about how that is proceeding. Discussion followed.

3. Scott McClure asked which codes we are currently codes. Jon Laux went over which codes were have been currently adopted.

V. UPCOMING MEETINGS/SCHEDULE:

Scott Standley opened discussion regarding the next meeting date. Overall opinion was third Thursday of March.

VI. ADJOURN MEETING:

Scott Standley adjourned meeting at 12:50 pm.

Si desea esta información en español, llame Leila Sanchez al (208)735-7287

MINUTES
PUBLIC MEETING
Building Inspection Department Advisory Committee
March 20, 2014 at 11:30 AM
City Council Chambers
305 3rd Avenue East Twin Falls, ID 83301

BUILDING ADVISORY BOARD MEMBERS

Gary Bond Dan Brizee Darren Hall Vice-Chair Sean Knutz Roger Laughlin Scott McClure James Ray

Jay Reis Scott Standley Chair

Members Present: Gary Bond, **Sean Kuntz,** Roger Laughlin, Jay Reis

Members Absent: **Scott McClure, Scott Standley,** Darren Hall, James Ray, Dan Brizee

Staff Present: Mitch Humble, Dwaine Thomson, Raub Owens, Jarrod Bordi, Jon Laux, Jon Victor, Stephen Harr, Wendy Thompson

I. CALL MEETING TO ORDER:

1. Confirmation of quorum

   Gary Bond, acting Chair, opened the meeting at 11:45 a.m. and confirmed there was not a quorum.

   Discussion was held to reschedule the meeting in April.

   Meeting adjourned at 11:47 a.m.

II. CONSENT CALENDAR:

1. Approval of Minutes from the following meeting(s): January 9, 2014

III. ITEMS FOR DISCUSSION:

1. Election of Officers
2. New Fee Resolution
3. Adoption of Code Amendments
   a. Building
   b. Plumbing
   c. Mechanical
4. The City of Twin Falls backflow program on residential sprinklers systems and review commercial protection requirements
5. The ISPC requirement for water temperature limiting device on 2 handle tub's in residential plumbing.
6. Permit billing system for M,E,P permits
7. Transparency Resolution training

IV. INPUT AND/OR ITEMS FROM THE BUILDING ADVISORY BOARD
V. UPCOMING MEETINGS/SCHEDULE:
VI. ADJOURN MEETING:

Si desea esta información en español, llame Leila Sanchez al (208)735-7287

IDAPA 07
TITLE 02
CHAPTER 06
07.02.06 - RULES CONCERNING IDAHO STATE PLUMBING CODE

000 LEGAL AUTHORITY.
In accordance with Section 54-2605(1), Idaho Code, the Idaho Plumbing Board shall make, promulgate, and publish such rules as may be necessary for carrying out the provisions of this act in order to effectuate the purposes thereof and for the orderly and efficient administration thereof, and except as may be limited or prohibited by law and the provisions of this act, such rules so made and promulgated shall have the force of statute. (2-26-93)

001 TITLE AND SCOPE.
These rules shall be cited as IDAPA 07.02.06, "Rules Concerning Uniform Plumbing Code," Division of Building Safety. These rules prescribe the use of the Uniform Plumbing Code. (2-26-93)

002 WRITTEN INTERPRETATIONS.
This agency has no written interpretations of this chapter. (2-26-93)

003 ADMINISTRATIVE APPEALS.
This chapter does not provide for administrative relief of the provisions contained herein. (2-26-93)

004 – 010 (RESERVED).

011 ADOPTION AND INCORPORATION BY REFERENCE OF THE 2003 IDAHO STATE PLUMBING CODE. The 2003 Uniform Plumbing Code, including Appendices "A, B, D, E, G, H, I, J, and L," (herein U.P.C.) is adopted and incorporated by reference with the following amendments. The 2003 Uniform Plumbing Code is available at the Division of Building Safety, 1090 E. Watertower St., Meridian, Idaho 83642; and at the Division of Building Safety, 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814. (4-6-05)

01 Section 218. Delete definition of "Plumbing System." Incorporate definition of "Plumbing System" as set forth in Section 54-2604, Idaho Code. (3-15-02)

02 Section 316.1.6. PVC DWV may be joined by the use of one-step solvent cement listed or labeled per U.P.C. Section 301.1.1. (4-6-05)

03 Section 402.3.1 Nonwater Urinals. Where nonwater urinals are installed they shall be listed and comply with the applicable standards referenced in Table 14-1. Nonwater urinals shall have a barrier liquid sealant to maintain a trap seal. Nonwater urinals shall permit the unimpeded flow of waste through the urinal to the sanitary drainage system. Nonwater urinals shall be cleaned and maintained in accordance with the manufacturer's instructions. Where nonwater urinals are installed they shall have a water distribution line rough-in to the urinal location to allow for the installation of an approved back-flow prevention device in the event of a retrofit. (5-8-09)

04 Section 420.0. Pressure balance or thermostatic mixing valves are not required for high flow (over eight (8) g.p.m.) tub filler valves with hand shower sets attached. (3-15-02)

05 Section 421.0. Delete. (4-6-05)

06 Section 604.1 Materials. Crosslinked Polyethylene (PEX) Tubing manufactured to ASTM – F876/F877 and tested, approved, and listed to ANSI/NSF 14 and 61, for potable water along with all applicable installation standards may be used for hot and cold water distribution systems within a building or cold water distribution systems outside of a building. Listed PE (polyethylene) water service and yard piping may be installed within a building (above ground and below ground) with one (1) joint, provided that only listed and approved metallic transition fittings shall be used. (4-6-05)

07 Section 609.4 Testing. Deleting the phrase "Except for plastic piping," at the beginning of the third sentence and add the following sentence at the end of the section: Plastic piping is to be tested in accordance with manufacturer's installation standards. (4-6-05)

08 Section 609.10 Water hammer. Does not apply to residential construction. (7-1-98)

09 Table 6-4 and Table A-2. Change fixture unit loading value for bathtub or combination bath/ shower, and clotheswashers to two (2) fixture units. (3-15-02)

10 Section 610.2. All new one (1) and two (2) family residences must have a pre-plumbed water softener loop. The kitchen sink must have one (1) hot soft line and one (1) cold soft line and one (1) cold hard line. Exterior cold hose bibbs intended for irrigation purposes must be piped with hard water. (3-30-07)

11 Section 611.4 Sizing of Residential Softeners. Amend Footnote 3 to read: Over four (4) bathroom groups, softeners shall be sized according to the manufacturer's standards. (4-6-05)

12 Table 7-3. Maximum unit loading and maximum length of drainage and vent piping. (EXCEPTION) The building drain and building sewer is not less than four (4) inches extending from its connection with the city or private sewer system and shall run full size to inside the foundation or building lines (ref: Section 717.0). Change fixture unit loading value for clotheswashers, domestic to two (2) fixture units. (3-15-02)

412.0 Minimum Number of Required Fixtures.

412.1 Fixture Count. Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number shown in Table 4-1.

412.2 Access to Fixtures.

412.2.1 In multi-story buildings, accessibility to the required fixtures shall not exceed one (1) vertical story.

412.2.2 Fixtures accessible only to private offices shall not be counted to determine compliance with this section.

412.3 Separate Facilities.

Separate toilet facilities shall be provided for each sex.

Exceptions:

(1) Residential installations.

(2) In occupancies serving ten (10) or fewer people, one (1) toilet facility, designed for use by no more than one (1) person at a time, shall be permitted for use by both sexes.

(3) In business and mercantile occupancies with a total floor area of fifteen-hundred (1,500) square feet (139.4 m^2) or less, one (1) toilet facility, designed for use by no more than one (1) person at a time, shall satisfy the requirements for serving customers and employees of both sexes.

412.4 Fixture Requirements for Special Occupancies.

412.4.1 Additional fixtures may be required when unusual environmental conditions or referenced activities are encountered.

412.4.2 In food preparation areas, fixture requirements may be dictated by health codes.

412.4.3 Types of occupancy not shown in Table 4-1 shall be considered individually by the Authority Having Jurisdiction.

412.5 Facilities in Mercantile and Business Occupancies Serving Customers.

412.5.1 Requirements for customers and employees shall be permitted to be met with a single set of restrooms accessible to both groups.

The required number of fixtures shall be the greater of the required number for employees or the required number for customers.

412.5.2 Fixtures for customer use shall be permitted to be met by providing a centrally located facility accessible to several stores. The maximum distance from entry to any store to this facility shall not exceed five-hundred (500) feet (152.4 m).

412.5.3 In stores with a floor area of one-hundred and fifty (150) square feet (13.9 m^2) or less, the requirement to provide facilities for employees shall be permitted to be met by providing a centrally located facility accessible to several stores. The maximum distance from entry to any store to this facility shall not exceed three-hundred (300) feet (91.4 m).

412.6 Toilet Facilities for Workers.

Suitable toilet facilities shall be provided and maintained in a sanitary condition for the use of workers during construction.

413.0 Fixtures and Fixture Fittings for Persons with Disabilities.

Plumbing fixtures and fixture fittings for persons with disabilities shall conform to the appropriate standards referenced in Table 14-1 of this code.

413.1 Limitation of Hot Water Temperature for Public Lavatories. Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 120°F (49°C) by a device that conforms to ASSE 1070 or CSA B125.3. The water heater thermostat shall not be considered a control for meeting this provision.

414.0 Bathtubs and Whirlpool Bathtubs.

Unless otherwise listed, bathtubs and whirlpool bathtubs shall comply with the following requirements:

414.1 A removable panel shall be provided to access and remove the pump. Whirlpool pump access located in the crawl space shall be located no more than twenty (20) feet (6,096 mm) from an access door, trap door, or crawl hole.

414.2 The circulation pump shall be located above the crown weir of the trap.

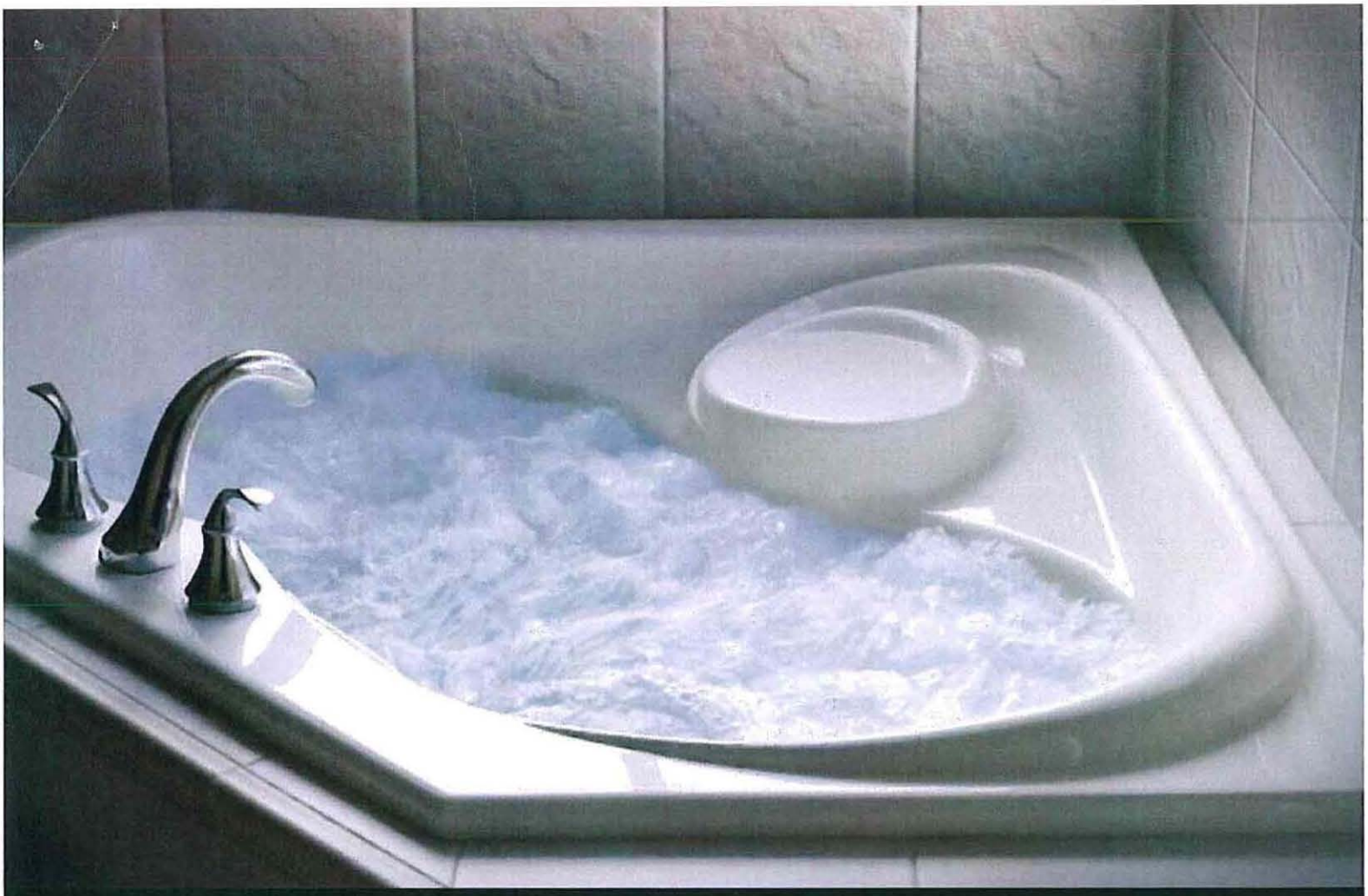
414.3 The pump and the circulation piping shall be self-draining to minimize water retention in accordance with standards referenced in Table 14-1.

414.4 Suction fittings on whirlpool bathtubs shall comply with the listed standards.

414.5 Limitation of Hot Water in Bathtubs and Whirlpool Bathtubs. The maximum hot water temperature discharging from the bathtub and whirlpool bathtub filler shall be limited to 120°F (49°C) by a device that conforms to ASSE 1070 or CSA B125.3. The water heater thermostat shall not be considered a control for meeting this provision.

415.0 Installation of Fixture Fittings.

Where two (2) separate handles control the hot and cold water, the left-hand control of the faucet when



Tempering Solutions for ASSE 1070 Applications

Whirlpools

Lavatories

Bidets

watts.com

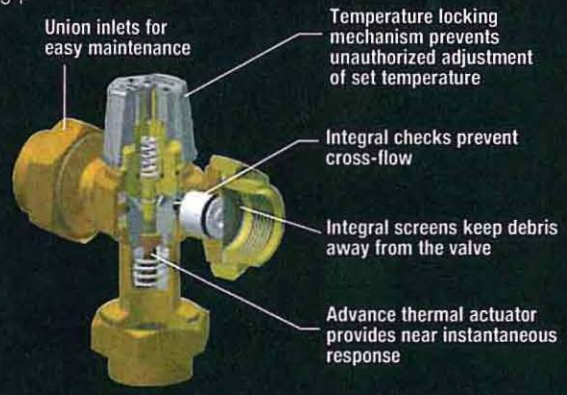
WATTS®

120°F
Maximum

MMV
Whirlpool Valve

The Series MMV-WP models are Watts innovative solution to address safe tempered water to whirlpool tubs and baths as defined by the performance standard ASSE 1070. While most tempering valves require the setting of a handle-rotation stop to limit final delivery temperature, the MMV-WP's unique design limits water delivery temperature to 120°F*, regardless of inlet supply pressure and temperature. This ensures safe water, even if the handle-rotation stop is not initially set or later readjusted after routine maintenance. The MMV-WP features durable bronze construction, integral checks to prevent cross flow, and inlet screens to filter out debris. Five connection options are available including PEX, Sweat, Threaded, CPVC and Quick Connect in ½" and ¾" sizes.

* ±3°F



International Residential Code - 2006

Section P2713.3 Bathtub and Whirlpool Bathtub Valves

"The hot water supplied to bathtubs and whirlpool bathtubs shall be limited to 120°F (49°C) by a water temperature-limiting device that conforms to ASSE 1070, except where such protection is otherwise provided by a combination tub/shower valve in accordance with Section P2708.3"

International Plumbing Code - 2006

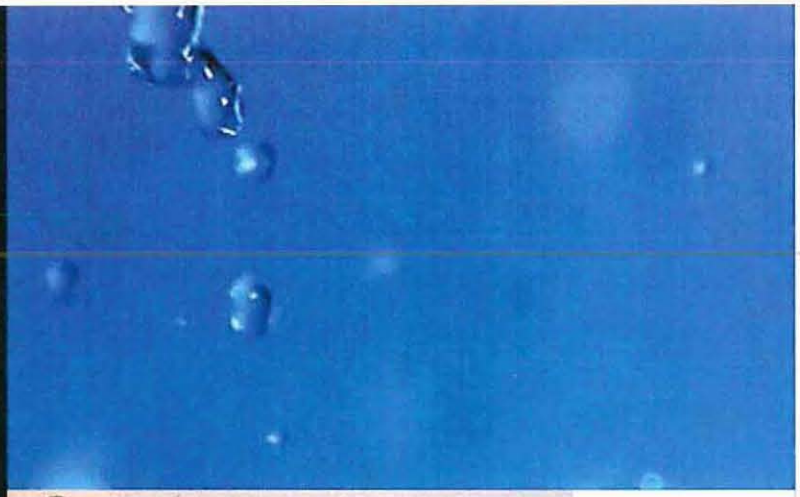
Section 424.5 Bathtub and Whirlpool Bathtub Valves

Same as IRC-2006 Section P2.

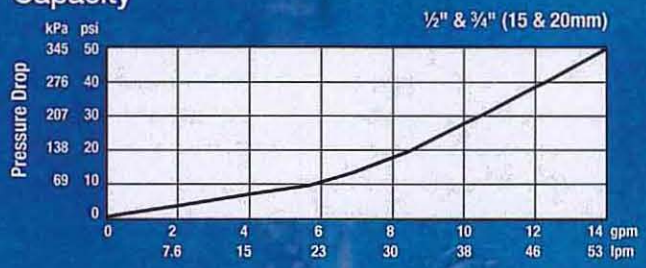
International Plumbing Code - 2006

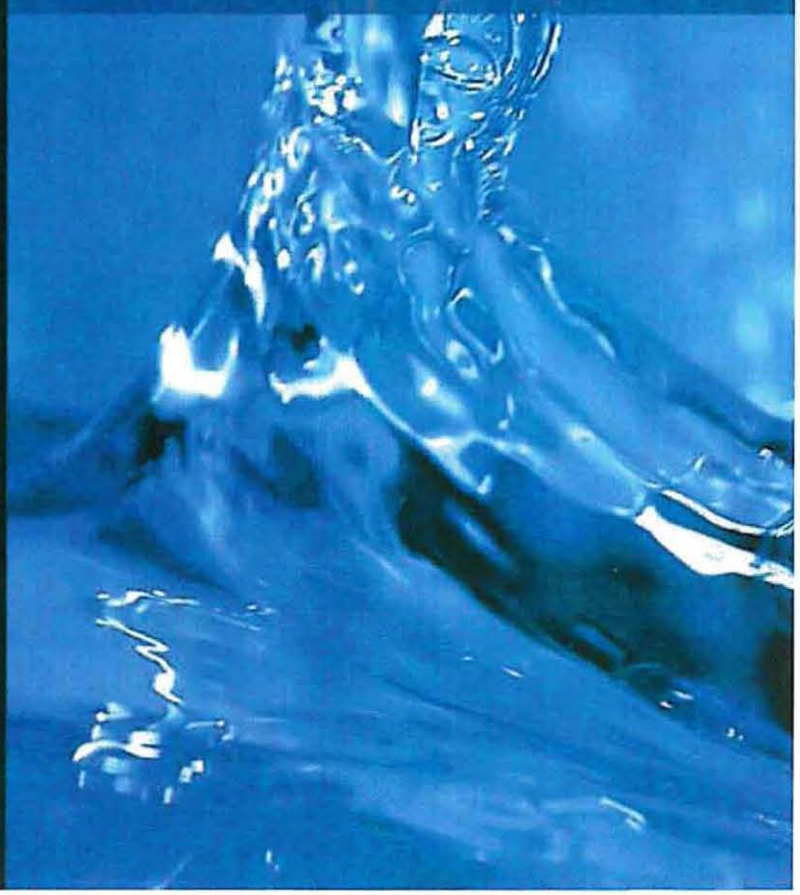
Section 408.3 Bidet Water Temperature

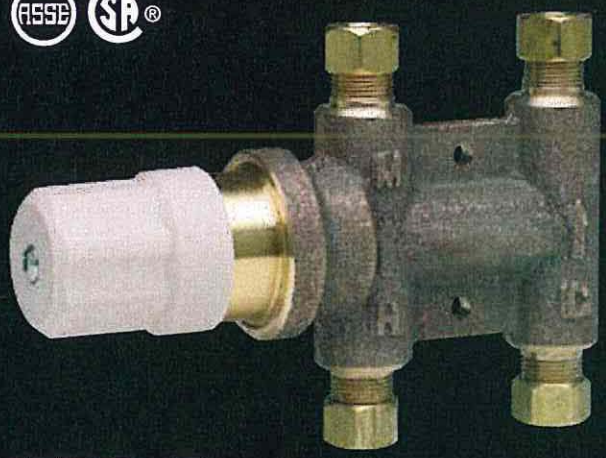
"The discharge water temperature from a bidet fitting shall be limited to a maximum temperature of 110°F (43°C) by a water temperature limiting device conforming to ASSE 1070"



Capacity



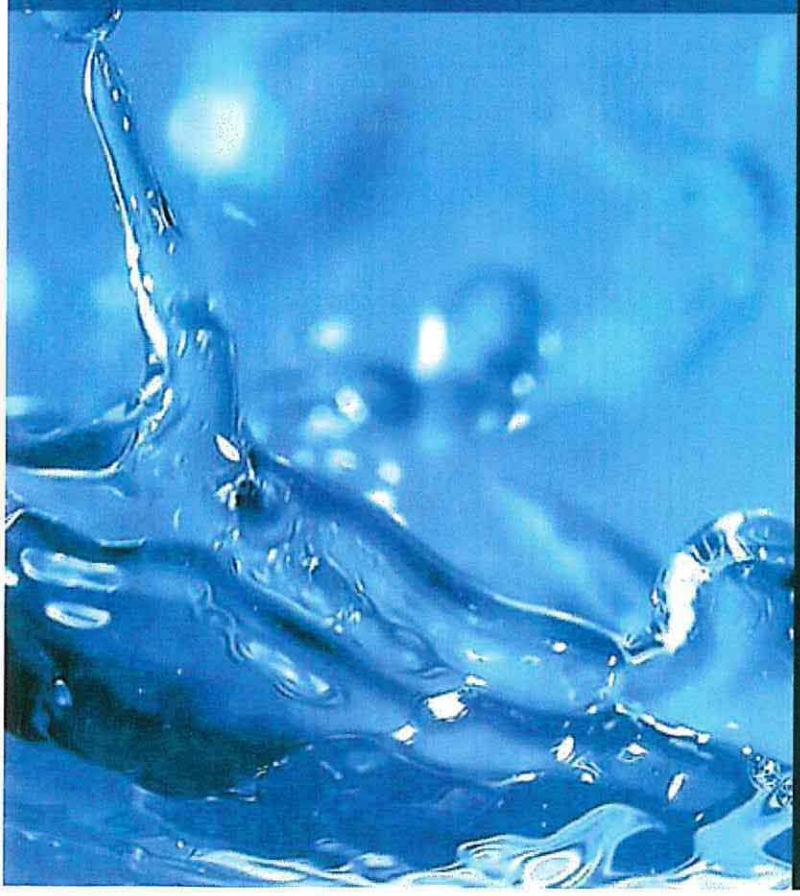


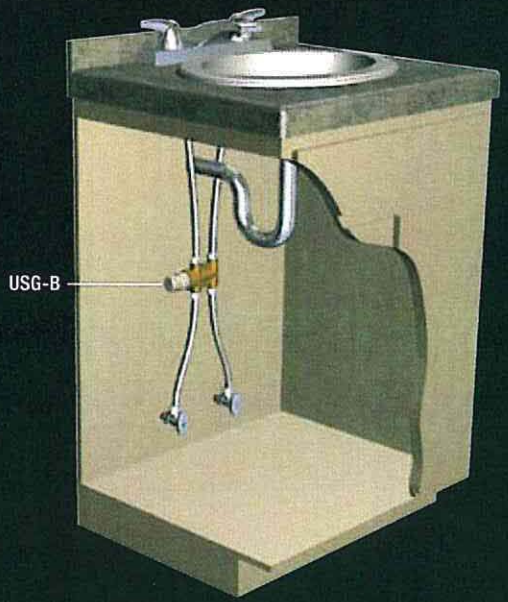


USG-B
Lavatory Valve

Ideal for tempering water to sinks in public rest room facilities, the Under Sink Guardian features Watts' patented "H" pattern design with an integral cold water bypass saving considerable time and money during installation. The Series USG is available in bronze (USG-B) construction and features integral checks to prevent cross flow and inlet screens to filter out debris. Precise temperature control ensures safe water delivery temperature at all times.

Capacity





International Plumbing Code - 2006
Section 416.5
Tempered water for public hand washing facilities
"Tempered water shall be delivered from public hand-washing facilities through an approved water temperature limiting device that conforms to ASSE 1070"

Most Asked Questions on ASSE 1070

What is meant by water temperature limiting device?
One that restricts or limits the maximum temperature of the hot water supplying a fixture/fitting(s). Simply put, it's tempering the hot side of a valve in order to limit the maximum outlet temperature available to the user when mixed with cold water.

What is the scope of ASSE 1070?
What are the applications?
ASSE 1070 is for devices that limit water temperature to a fixture or fixtures such as sinks, lavatories, or bathtubs to reduce the risk of scalding. It is not intended to provide protection from thermal shock.

Is an ASSE 1070 valve the final tempering device?
Yes and no. The device can be the final tempering device or it can have water further tempered downstream (with the addition of cold water). In this instance, the valve is supplying tempered water to the hot side of a two-supply fitting and then further mixing with cold water at the point-of-use.

Does ASSE 1070 cover single or multiple fittings?
ASSE 1070 covers devices that supply single or multiple point-of-use fixtures.

Can the user adjust an ASSE 1070-listed device?
Yes, it may adjusted by the user or may be inaccessible to the user and set by the installer or building owner.

What is the maximum temperature allowed by an ASSE 1070 device?

A valve will be rejected, if at any time during Temperature Variation Test, the outlet temperature exceeds 120°F. Each valve must have an adjustable and lockable means to limit the setting of the device to the hot position.

What are the differences between ASSE 1070 and ASSE 1016?
ASSE 1016 covers three valve types (P – pressure balancing, T – thermostatic and T/P – combination). ASSE 1070 covers a single valve type, which is very similar to an ASSE 1016 type T valve, with a couple of exceptions. The temperature control requirements are not as stringent for a 1070 device (±7°F allowable) versus a 1016 valve (±3.6°F) due to the less critical nature of the application (showering versus hand washing or bathing).
Another important difference, and where 1070 is more stringent than 1016, is minimum tested flow. ASSE 1016 devices are tested for temperature control at a minimum flow of 2.5 gpm, the standard showerhead rating. ASSE 1070 devices are tested at the "manufacturers stated minimum flow". Because public rest room facilities require faucets outfitted with low flow aerators, most manufacturers rate their valves at a minimum flow of 0.5 gpm. This is important because accurate control at low flows is critical to the users safety.

How does ASSE 1070 differ from ASSE 1069?
An ASSE 1069 listed valve supplies water to a single pipe/tempered fitting and does not allow further tempering downstream. Examples would be push-button or infrared metering showers. Because the primary application for 1069 is showers, the temperature control requirement is more stringent than 1070. Actually, it is exactly the same for that of an ASSE 1016 type T valve, ±3.6°F (2.0°C).
Finally, an ASSE 1069 valve cannot be adjusted by the user (installer or building owner only) where a 1070 valve can, and is intended to reduce the risk of thermal shock as well as scalding. A 1070 valve is not required to reduce the risk of thermal shock.

MODEL	ORDER CODE		DESCRIPTION
Whirlpool/Bidet	½"	¾"	
MMV-UT-WP	0206043	0206072	Union Threaded Connection, 120°F maximum
MMV-US-WP	0206070	0206071	Union Sweat, 120°F maximum
MMV-PEX-WP	0206701	0206074	Union PEX, 120°F maximum
MMV-CPVC-WP	0206044	0206073	Union CPVC, 120°F maximum
MMV-QC-WP	0204047	0206075	Union Quick-Connect, 120°F maximum

Lavatory		
USG-B-M1	0204130	⅜" Compression

WATTS®

A Watts Water Technologies Company

ISO 9001-2000 CERTIFIED

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com
Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca

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