



December 14, 2007

**IMPORTANT STANDARDS UPDATE NOTIFICATION FROM YOUR
NATIONALLY RECOGNIZED TESTING LABORATORY**

«AddressBlock»

**RE: Standard: PLUMBING SUPPLY FITTINGS
Standard Number: ASME A112.18.1-2005/CSA B125.1-05 Date of Revisions: Update No. 1 –
November 2006. Update No. 1 – April 2007
Client Number: «F3»**

As a valued customer we are providing you with advanced notice of revised requirements for the referenced standards and applicable updates. Because of these revised requirements, we are advising all Applicants who have products listed to this standard of this Standards Update Notice.

This will affect your Listing status so it is important to review this letter carefully.

Standard	Effective Date of Revised Requirements	New/Revised Requirements
Referenced Above	May 1, 2008	<u>See Summary of Changes under Description of Change</u>

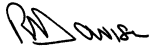
Important Information Regarding this Standards Update Notification

1. Your currently listed products to the above standard, as well as their listing reports, will need to be reviewed against the new/revised requirements noted above. As part of this review it will be determined whether any additional information is needed or further evaluation and testing is required on product samples. See attached.
2. If the products currently listed will not be produced after the Effective Date for these new/revised requirements, please advise us of these products and their listings will be withdrawn on that date.
3. Currently listed products must be found in compliance with the new/revised requirements by the Effective Date or the authorization to apply the WHI Mark will be withdrawn.
4. All new products submitted will be evaluated to the new/revised requirements noted above unless you specifically request otherwise in writing. Please note that new product listings will be withdrawn on the Effective Date unless the product is found in compliance with the new/revised requirements.

Please contact your **Intertek Engineering Office** listed below, to determine what action will be needed to maintain your WHI Listing. If this letter does not pertain to your reports or if addresses, contacts, etc. are incorrect, please make a note on it and fax it back to 905 678-7131.

Sincerely,

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Bob Davison
Certification Manager

Description of Changes

Impact Statement: A review of all Listing Reports is necessary to determine which products already comply with these new/revised requirements and which products will require re-evaluation and test.

NOTE: Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the **Effective Date of May 1, 2008** unless product is found to comply with the new/revised requirements.

Summary of Changes:

Both ASME A112.18.1 and CSA B125.1 (formally B125) were harmonized to create this new and updated version of the standard for plumbing supply fittings.

Under section 1 Scope, clause 1.1 - Water Closet Tank Supply Fittings and Pressurized Flushing Devices were left off the previous B125 list. Letters a (automatic compensating valves for individual wall-mounted showering systems), e, f, and j are new.

Clause 1.2 – reference to ASME A112.18.2 for plumbing waste fittings was added. Also, a new clause 1.3 was inserted referencing CSA B125.3 or other plumbing products standards for other devices such as flexible connectors, etc.

New reference standards were added – ASME A112.1.2, B16.26, PTC 19.2, PTC 19.5, ASSE 1016, 1019, ISA 75.02, SAE J512, UL 1310 and 1585. The reference to ASME B16.29, B18.6.1, B18.6.3, CSA B45, ASSE 1017, 1017, ASTM B456, B537, B604, D1784, D3965, and D4101 was deleted.

Clause 4.1.2 – rated temperatures is new

Requirements for replaceable seats were deleted

Clause 4.2 Serving – a new sentence regarding swing spouts designed to use adjustable packing in the joint between the spout and the body was inserted

Under section 4.4 Threaded connections, clause 4.4.1, letters (e) and (f) are new

Clause 4.4.2 – new information was added regarding shanks along with updated Figures 1 and 2.

Clause 4.4.3 – New requirements for alternative end threaded connections for flexible hoses and components

Clause 4.5 – A new requirement regarding alternative end connections for flexible hoses and components

Clause 4.6 Accessible Design – new requirement(s) added

Clause 4.9 Toxicity – Fittings covered by Section 9 of NSF/ANSI 61 shall comply with that standard

Clause 4.12 Cross-flow – new requirement(s) added

Clause 4.13 Fittings incorporating electrical features - new requirement(s) added

Clause 4.14 Materials – new requirement(s) added

Clause 4.15 Automatic compensating valve temperature control – (b) through (d) are new and the reference to ASSE 1017 was deleted

New Clause 5.1.3 and clause Section 5.1.1 the ambient laboratory conditions were previous stated as $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\%$ relative humidity for 40 hours . It now reads ... shall be conditioned at ambient laboratory conditions for not less than 12 hr.

New clause 5.2.1

Clause 5.2.2.1 – the size of the surface defect was increase to 650 mm² (previously 645 mm²); the last sentence regarding widely scattered surface defects is new

Clause 5.2.3.2 Electrodeposited and PVD coatings on metals – sections (a) and (b) are new

Under 5.2.3.3 Electrodeposited and PVD coatings on plastic, the 1st sentence in clause 5.2.3.3.1 is new

Under 5.2.3.3 Electrodeposited and PVD coatings on plastic, clause 5.2.3.3.2 Thermal cycling

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procedure – new test procedure

Under section 5.3.2 Burst pressure, clause 5.3.2.1 and the last sentence in clause 5.3.2.2 are new requirements

Clause 5.3.3 Cross-flow check valves is new

Under section 5.3.4 Hose assemblies, clause 5.3.4.2 Torque – new test requirement

Clause 5.3.4.3 – the hydrostatic pressure was lowered from 700 kPa to 690 kPa and the time was also lowered from 4 hours to 1 hour with the cold water now being defined

Under section 5.3.6 Bath and shower, clause 5.3.6.2.1 – the rate of leakage was lowered from 1.14 L/min to 1 L/min.

Under section 5.4 Flow rate, clauses 5.4.2.1 and 5.4.2.2 are new

Clause 5.4.2.3 – the temperature of the water used in flow rate test is now defined and the temperature of the water in letter (b) for the maximum flow for faucets was lowered from $415 \pm 5^\circ\text{C}$ to $410 \pm 7^\circ\text{C}$.

Under section 5.5 Operating requirements, there are new testing requirements in clauses 5.5.2 through 5.5.4

Under section 5.6 Life cycle, clause 5.6.1.2 – new testing requirements

Under section 5.6 Life cycle, clause 5.6.1.3 – the turning force was increased to 45 N (10 lbf) when supply pressure is 860 kPa (125 psi) and the water temperature is $10 \pm 6^\circ\text{C}$ ($50 \pm 10^\circ\text{F}$). The reference to ANSI A117.1 was also removed.

Under section 5.6 Life cycle, clauses 5.1.6.4 and 5.6.1.5 are new testing requirements

Under section 5.6 Life cycle, clause 5.6.2.1 – the amount of cycles was lowered from 3000 to 1500. The last three sentences within that section are also new

Under section 5.6 Life cycle, clause 5.6.2.2 – the amount of cycles was lowered to 1000 instead of 3000. The additional testing within that section is also new.

Clause 5.6.3 Fittings and other control devices is new

Clause 5.6.4 Swing spouts – the weight mass was lowered and the rotating force was increased to 45 N (10 lbf) and the amount of cycles lowered to 1000.

Under section 5.6.5 Shower hoses, pullout spout hoses, and side spray hoses, clause 5.6.5.2 – the axial force was increased from 67 N to 334 N.

Clause 5.7.1.2 is new.

Clause 6.8.1.3 in the previous version of B125 was deleted.

Clause 5.8.3 Swing spout strength is new

Under section 5.9 Backflow prevention, clause 5.9.1 & 5.9.2.1 are new

Under section 5.9.4 Backflow prevention devices used in single-outlet fittings with a submersible outlet, clause 5.9.4.1.4 – the amount of time to hold the vacuum was increased from 1 minute to 5 minutes. Also, Section 7.14.3 from the previous B125 was deleted.

Clause 5.10 Automatic compensating valves – similar to the testing in the previous version of B125 that the temperature is now considered and more details were added. In clause 5.10.7, new information regarding the discharge flow rate was added and the cold is no longer defined.

Clauses 6.2 Temperature Identification and 6.4 Instructions for automatic compensating valves are new. The flow rate marking on the packaging and part was removed. The marking requirements from previously stated in Sections 8.2 through 8.6 were removed along with Section 8.7 Installation Instructions.

The previous Table 1 Spout Elevation for Deck-Mounted Fittings was deleted. New information was added to the updated Table 1 for metering, shower heads, compression type supply stops.

In Table 2, the torque requirement for sink, lavatory, bath or laundry tray fittings was increased from 0.8 Nm to 1.7 Nm.

In Table 3, the new amounts of cycles were added for lawn or sediment, self-closing faucets, metering faucets, body spray or shower heads.

Table 4 is new. Tables 6 and 8 from the previous B125 were deleted.

Figure 1 letters D and E are new

Figure 2 is new. Figures 3, 5, and 6 were deleted from the previous B125.

Figure 4, 7 and 8 are new. Figures 9-11 and 14 in the older B125 were deleted. New Annexes B to D were also added

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