



**Summary of Substantive Changes
between the 2000 edition (including Update No. 3, dated February 2005)
and the 2010 edition (including Update No. 1, dated March 2011) of
CSA B356, “Water pressure reducing valves for
domestic water supply systems”**

Presented to the IAPMO Standards Review Committee on February 13, 2012

General: The updated material requirements might have an effect on the material used to manufacture currently listed products. However, there should be no additional testing requirements for products with cUPC listing to ASSE 1003 and CSA B356 as the change in orifice size requirement for the capacity test is already compliant with ASSE 1003.

The major changes are:

- (a) updated requirements for valve and strainer bodies;
- (b) an orifice size requirement of 1.6 mm for the reduced pressure adjustment range test, the reduced pressure deviation test, and the capacity test;
- (c) an updated test procedure for the capacity test and bypass relief valve test; and
- (d) a requirement for push-fit fittings to comply with ASSE 1061.

Clause 3, Definitions: added a definition for [Push-fit fitting](#).

Clause 4.1.2, Valve and strainer bodies: Changed the material requirements as follows;

Bodies of valves and strainers shall be ~~of cast composition brass or bronze conforming to Clause 3.1.3.1 and shall conform to ASTM Standard B 62 or UNS Standard C 84400 (formerly B 584).~~ [made of one of the following:](#)

- (a) [cast copper alloy;](#)*
- (b) [forged copper alloy; or](#)*
- (c) [cast stainless steel at least equal to that of Type 300 stainless steel.](#)*

Clause 4.2.11, Threads and other connections:

Clause 4.2.11.4: Updated conformance standard for Metric threads as follows:

Metric threads shall conform to the ISO [965 series of Thread Standards](#).

Clause 4.2.11.5: added the following requirements: [Connections achieved by push-fit fittings shall comply with ANSI/ASSE 1061.](#)

Clause 6.3, Reduced pressure deviation test:

Clauses 6.3.1, 6.4.1, and 6.5.1: Added an orifice size requirement as follows: [The orifice shall be 1.6 mm \(1/16 in\) in diameter.](#)



Clause 6.6, Minimum reduced flowing pressure test:

Clause 6.6.3: Changed from 1 to 7 kPa as follows:

If the supply pressure cannot be maintained at 1724 kPa at the required rate of flow, the reduced flowing pressure shall be adjusted to ± 7 kPa less than 170 kPa for every 69 kPa the supply pressure falls below 1724 kPa.

Clause 6.7, Bypass relief valve test:

Clause 6.7.2, Removed the following allowable deviation from the test:

~~*Maintain the required flow rate. If the supply pressure cannot be maintained at 1724 kPa during the specified rate of flow, the reduced flowing pressure shall be permitted to be adjusted to 7 kPa less than 172 kPa for every 69 kPa the supply pressure fails below 1724 kPa.*~~

Table 1 and Table 2: Changed the sizes in column 1 of Table 1 and row 1 of Table 2 from ~~mm~~ to Nominal Pipe Size (NPS).