



**Summary of Substantive Changes
between the 2006 edition (including Update No. 1, dated January 2007)
and the 2012 edition of
CSA B70, “Cast Iron Soil Pipe, Fittings, and Means of Joining”**

Presented to the IAPMO Standards Review Committee on March 12, 2012

General: The changes to this standard should not affect currently listed products. However, verification of additional factory testing and records might be required during continuous compliance inspections. The changes include,

- addition of piston expansion joints (Clause 5); and
- revision of factory testing frequency (Clause 9).

Clause 4.1, Pipe and Fittings:

Clause 4.1.2: The allowable sulphur content was changed as follows;

The iron in the pipe and fittings shall not contain more than 0.75% phosphorus by mass. The sulphur content shall not exceed the greater of

(a) 0.12% by mass; or ~~one-quarter the percentage of manganese, whichever is greater~~

(b) the sulphur content represented by the formula $1.7 \times \% S + 0.15 = \% Mn$.

The carbon equivalent shall be not less than 4.1% by mass.

Note: Carbon equivalent for grey iron = $\% Total C + 0.3 (\% Si + \% P)$.

Clause 5, Piston expansion joints: This clause was added, for the requirements of expansion joints.

Clause 9, Factory testing: This clause was expanded to revise the factory testing frequency.

Clause 10.6, Piston expansion joints: Added the marking requirements for piston expansion joints

Table 5, Piston expansion joint minimum offset distance: Added this table to specify the offset distance for the offset test (Clause 5.2.2).