



**Summary of Substantive Changes
between the 2001 and 2012 editions of
ASME B16.22, “Wrought Copper and Copper Alloy Solder Joint Pressure Fittings”**

Presented to the IAPMO Standards Review Committee on June 10, 2013

General: The changes to this standard should not have an impact on currently listed products. The substantive changes are:

- Added requirements for braze joints (see Section 3.1.2)
- Increased the pressure-temperature ratings at 93 °C for copper fittings (see Table 2)

Section 3, Pressure-Temperature Ratings: Added requirements for Braze Joints and a section heading for solder joints as follows:

[3.1.1 Solder Joints.](#) *Pressure-temperature ratings for solder joints to the dimensions...*

[3.1.2 Braze Joints.](#) *Pressure-temperature ratings for braze joints to the dimensions of Table 1 (Table II-1), made with typical commercial brazing materials, shall be considered equal to the values given in Table 2 (Table II-2).*

[The internal pressure-temperature rating of the system with braze joints shall be the lowest of the values shown in Table 2 \(Table II-2\) and those of the tube, valves, and appurtenances.](#)

Table 2, Internal Pressure-Temperature Ratings for Copper Fittings. kPa: Increased pressure ratings of fittings at 93 °C (about 2% increase).

Mandatory Appendix III, References: Updated referenced standards.

Contents: In the main text, the “General” section was moved to Section 2 (previously it was Section 1.1) and the former sections 3 and 4 were combined into Section 4 subsequently the sections were renumbered; also the tables throughout the standard were reordered as follows.

- Table 1 was formerly Table 3
- Table 2 was formerly Table 1
- Table 3 was formerly Table 3
- Table I I-1 was formerly Table II3
- Table II-2 was formerly Table II1
- Table II-3 was formerly Table II2