



**Summary of Substantive Changes
between the 2012 and the 2013 editions of
ASME B16.22, “Wrought Copper and Copper Alloy Solder Joint Pressure Fittings”**

Presented to the IAPMO Standards Review Committee on September 8, 2014

General: The change to this standard might have an impact on currently listed products. The substantive change is:

- Added low-lead requirements for fittings made of other coppers and copper alloys used in potable water applications (see Section 6).

It is important to note that the new requirement appears to apply to all fittings intended for potable water applications; however, a strict interpretation of the way it is written indicates that the new requirement applies only to *Other coppers and copper alloys*.

Section 6, Material: Added low lead requirements as follows

- (a) *Fittings shall be made from copper UNS Nos. C10200, C12000, or C12200 or copper alloy UNS No. C23000, for which allowable stresses are found in ASME B31.1, ASME B31.9, or ASME Boiler and Pressure Vessel Code, Section II - Materials.*
- (b) *Other coppers and copper alloys are permitted, provided they meet the chemical requirements of 84% minimum copper and 16% maximum zinc and provided the fittings produced from the copper alloy meet all the mechanical and corrosion-resistant properties for the end purposes of the fittings. For potable water applications, fittings shall be produced from low lead (0.25% or less) copper alloys and shall meet all the mechanical and corrosion-resistant properties for the end purposes of the fittings. The composition of the copper alloy shall contain nothing that will inhibit joining to the tube or to other fittings.*