



**Summary of Substantive Changes
between the 2005 and 2012 editions of
ASSE 1079 “Performance Requirements for Dielectric Pipe Unions”**

Presented to the IAPMO Standards Review Committee on December 10, 2012

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

- The standards for adapter/transition fitting connections were listed (see Section 1.2.3).
- The requirement limiting the lead content of metal alloys in contact with potable water to 8% was removed (see Section 4.1.1).

Section 1.2, Scope: The applicable standards for compliance were clarified as follows;

Section 1.2.2, Size Range:

Iron and copper pipe sizes 3/8 inch through 6 inches. ~~All end connections shall meet the requirements of the latest versions of the appropriate ASME standard.~~

Section 1.2.3, Adapter/Transition Fitting Connections:

1.2.3.1 Taper pipe threads, except dryseal, shall be in compliance with ASME B1.20.1 or ASTM F1498.

1.2.3.2 Dryseal pipe threads shall be in compliance with ASME B1.20.3.

1.2.3.3 Cast copper alloy, wrought copper alloy and copper alloy solder joint connections shall comply with the dimensional requirements of ASME B16.18 or ASME B16.22.

Section 4.1, Materials:

Section 4.1.1: The materials requirement allowing metal alloys in contact with potable water to contain 8% lead was removed as follows:

Solder and fluxes containing lead in excess of 0.2% shall not be used in contact with potable water. ~~Metal alloys in contact with potable water shall not exceed 8% lead.~~