



**Summary of Substantive Changes between the 2015 and 2020 edition of  
ASSE 1070/ASME A112.1070/CSA B125.70  
“Performance requirements for water temperature limiting devices”**

**Presented to the IAPMO Standards Review Committee on January 11, 2021**

**General:** The changes to this standard should not have an impact on currently listed products. The significant change is:

- Changed end connection requirements to a general compliance with the nationally recognized Standard (see Section 3.2)

Section 2, Referenced publications and definitions: The referenced standards were added, deleted, or revised as follows:

**ASME/CSA Group**

ASME A112.18.1-~~2012~~[2018](#)/CSA B125.1-~~12~~[18](#)

Plumbing supply fittings

~~ASME (The American Society of Mechanical Engineers)~~

~~B1.1-2003 (R2008)~~

~~Unified Inch Screw Threads, (UN and UNR Thread Form)~~

~~B1.20.1-2013~~

~~Pipe Threads, General Purpose, Inch~~

~~B1.20.7-1991 (R2013)~~

~~Hose Coupling Screw Threads, Inch~~

~~B16.18-2012~~

~~Cast Copper Alloy Solder Joint Pressure Fittings~~

~~B16.22-2013~~

~~Wrought Copper and Copper Alloy Solder Joint Pressure Fittings~~

**ASSE International**

~~1061-2011~~

~~Push-Fit Fittings~~

**ASTM International**

ASTM F877-19 Standard Specification for Crosslinked Polyethylene (PEX) Hot and Cold Water Distribution Systems

ASTM D2846/D2846M-19a

Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems

**CSA Group**

CSA B137-17



[Thermoplastic pressure piping compendium](#)

**NSF International**

NSF/ANSI 61-~~2013~~2019

Drinking Water System Components — Health Effects

NSF/ANSI 372-~~2011~~2016

Drinking Water System Components — Lead Content

Section 3, Design and general requirements: Changed end connection requirements to a general compliance with the nationally recognized Standard as follows:

**~~3.2 Solder joints~~**

~~The dimensions of solder joint ends for connection to copper tubes or fittings (other than factory-assembled parts) shall comply with ASME B16.18 or ASME B16.22, as applicable.~~

**3.2 End connections**

End connections for temperature limiting devices shall comply with a nationally or internationally recognized standard.

**~~3.3 Threads~~**

~~Pipe threads shall comply with ASME B1.20.1 and hose threads shall comply with ASME B1.20.7.~~

**~~3.4 Flared and ball sleeve (compression) tube fittings~~**

~~The screw thread dimensions of flared and ball sleeve (compression) tube fittings shall comply with ASME B1.1.~~

**~~3.5 Push fit fittings~~**

~~Connections achieved by push-fit fittings shall comply with ASSE 1061.~~