

IAPMO UPC

Code Change Proposals



Of the several code change proposals submitted to IAPMO this year regarding backflow prevention, only one was adopted by the committee and a second was adopted in part. The proposal adopted is reproduced below. Note that this change addresses 'listing' terminology reference for backflow preventers and other plumbing components. However, it does NOT effect the listing requirements for backflow preventers. The proponent, Richard Church, is simply trying to make the *Code* less wordy. Please be sure to read the substantiation at the end of the article.

Other proposals, such as allowing single wall heat exchangers and requiring RPs on carbonated beverage dispensers failed. These proposals were printed in the March, 2001 issue of *DW&BP*.

UPC 2000 - (603.4.11 (Also 603.4.13, 603.4.5, 604.4, 604.11, 608.3, and 608.5))

SUBMITTER: Richard W. Church
Plastic Pipe & Fittings
Assoc/Rep. (PPFA)

RECOMMENDATION:

Revise text as flows:

603.4.11 Potable Water Make Up Connections to Steam or Hot Water Boilers shall be provided with a ~~listed~~ backflow protection assembly.

604.4 ~~Listed~~ Flexible copper water connectors shall be installed in readily accessible locations, unless otherwise listed.

604.11 PEX. Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been ~~listed or~~ approved. PEX tubing shall be installed in compliance with the provisions of this section.

608.3 Any water system provided with a check valve, backflow preventer or a pressure regulating device which does not have a bypass feature at its source shall be provided with an approved, ~~listed~~, adequately sized pressure relief valve or a means to control expansion.

Any water system containing storage water heating equipment shall be provided with an approved, listed, adequately sized combination pressure and temperature relief valve, except for listed non-storage instantaneous heaters having an inside diameter of not more than three (3) inches (80 mm). Each such approved combination temperature and pressure relief valve shall be installed on the water heating device in an approved location based on ~~its listing requirements~~ and the manufacturer's instructions. Each such combination temperature and pressure relief valve shall be provided with a drain as required in Section 608.5.

In addition to the required pressure or combination pressure and temperature relief valve, an approved, ~~listed~~ expansion tank or other device designed for intermittent operation for thermal expansion control shall be installed whenever the building supply pressure is greater than the required relief valve pressure setting or when any device is installed that prevents pressure relief through the building supply. The tank or device shall be sized in accordance with the manufacturer's recommendation.

608.5 Relief valves located inside a building shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, or ~~listed~~ relief valve drain tube with fittings which will not reduce the internal bore of the pipe or tubing (straight lengths as opposed to coils) and shall extend from the valve to the outside of the building with the end of the pipe not more than two (2) feet (610 mm) nor less than six (6) inches (152 mm) above the ground or the flood level of the area receiving the discharge and pointing downward. Such drains may terminate at other approved locations. No part of such drain pipe shall be trapped or subject to freezing. The terminal end of the drain pipe shall not be threaded.

SUBSTANTIATION:

The Code requires that all materials and devices entering the plumbing system (Section 301.1.1 Approvals) be listed. It is unnecessary and provides no benefit to anyone for this language to be included in the *Code*. If anything, it implies that these are the only times that something must be listed.

IAPMO MEMBERSHIP ACTION:

This is a new recommendation which was not previously submitted to the IAPMO membership for consideration.