Informal Interpretation Report
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Section 605.16

Question:

Is the use of a compression angle-stop valve on cpvc pipe an installation "in accordance with the manufacturer's instructions" as required by Section 605.16 of the Code? Comment: 605.16 CPVC plastic. Joints between CPVC plastic pipe or fittings shall comply with Sections 605.16.1 through 605.16.3 . 605.16.1 Mechanical joints. Mechanical joints shall be installed in accordance with the manufacturer?s instructions. The BrassCraft instructions for the installation of a valve on cpvc pipe are found here: http://www.brasscraft.com/pdf/CPVC_Instructions.pdf The BrassCraft instructions for the installation of a valve via compression are found here: http://www.brasscraft.com/pdf/Compression_Instructions.pdf

Answer

Yes, provided the following; The Plastic Pipe Fittings Association web site (ppfahome.org) contains a document titled "PPFA CPVC Installation Manual". This manual states: "Standard compression fittings that utilize brass or plastic ferrules can be used to assemble CPVC (photo J). However, Teflon&#2013266094; tape should be applied over the brass ferrule to compensate for the dissimilar thermal expansion rates of the brass and CPVC that could possibly otherwise result in a drip leak. Care should be taken not to over-torque the compression connection."

Commentary:

Flowguard Gold CPVC installation Manual found online at http://www.flowguardgold.com/Guides/FGG design.pdf on page 16 of the document states the following: Compression Connections Utilizing Brass Ferrules Standard compression fittings which utilize brass ferrules can be used on FlowGuard Gold&#2013266094; CPVC tubing. The compression fitting should be installed per the limitations and instructions of the fitting manufacturer. In addition, the following

guidelines should be followed: 1. Teflon tape must be applied over the ferrule to compensate for the dissimilar thermal expansion rates of the brass and CPVC. 2. Care should be excercised not to over-torque the compression connection. 3. Compression connections are not recommended when the operation temperature is expected to exceed 140&#2013266096; F.

Notice:
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