

CHANGE TYPE. Modification

CHANGE SUMMARY. The code change will ensure that the correct combination of tubing and fittings will be installed together for cross-linked polyethylene plastic (PEX) systems.

2009 CODE: 605.17.2 Mechanical Joints. Mechanical joints shall be installed in accordance with the manufacturer's instructions. Fittings for cross linked polyethylene (PEX) plastic tubing as described in ASTM F877, ASTM F1807, ASTM F1960, and ASTM F2080 shall comply with the applicable standards listed in Table 605.5 and shall be installed in accordance with the manufacturer's instructions. PEX tubing shall be factory marked with the appropriate standards for the fittings that the PEX manufacturer specifies for use with the tubing.

CHANGE SIGNIFICANCE. The code change was submitted to mandate that the PEX tubing label identifies the fittings that are approved for use with the tubing; specifically, the tubing is the determining factor. PEX tubing was commonly marked with the fitting systems standard. The PEX systems are proprietary and numerous, and diverse care must be taken to ensure the proper function of distribution systems for health and safety reasons.

A later code cycle change removed the fitting standards from the installation section. The proponent stated that the fittings standards were best listed in Table 605.5, Pipe Fittings. Further removing fitting standards from the installation methodology would be consistent with other water supply and distribution products.

605.17.2 Mechanical Joints (for PEX)



The PEX tubing label provides complete identification and conformance information to the user.

CHANGE TYPE. Modification

CHANGE SUMMARY. The prohibited locations of air admittance valves (AAVs) has been expanded to address sump vents. Installations using an AAV for a sump vent shall be in accordance with the engineered design criteria of Section 105.4.

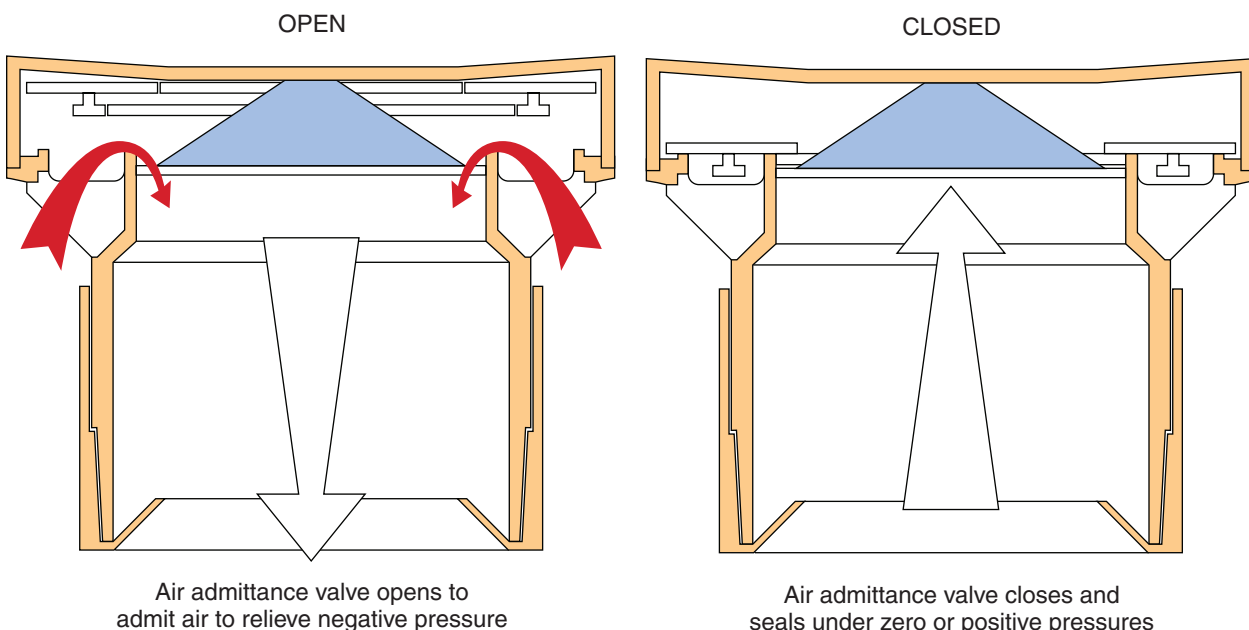
2009 CODE: 917.8 Prohibited Installations. Air admittance valves shall not be installed in nonneutralized special waste systems as described in Chapter 8. Air admittance V valves shall not be located in spaces utilized as supply or return air plenums. Air admittance valves without an engineered design shall not be utilized to vent sumps or tanks of any type.

CHANGE SIGNIFICANCE. The International Plumbing Code committee agreed with the code change submitter that Air Admittance Valves (AAVs) are not specifically listed for venting sumps or tanks. Sewage pumps and sewage ejectors are addressed in Section 916.5 and Table 916.5.1. The submitter, committee, and hearing assembly all agreed that AAVs could be used for these applications if the venting system is of an engineered design. Early installation instructions of the AAV that brought about code acceptance of AAVs for venting stated they were not to be used for sump vents or on the discharge of a pumped device.

The engineered design system encompasses several areas to ensure that the system performs as intended. It is considered to be an

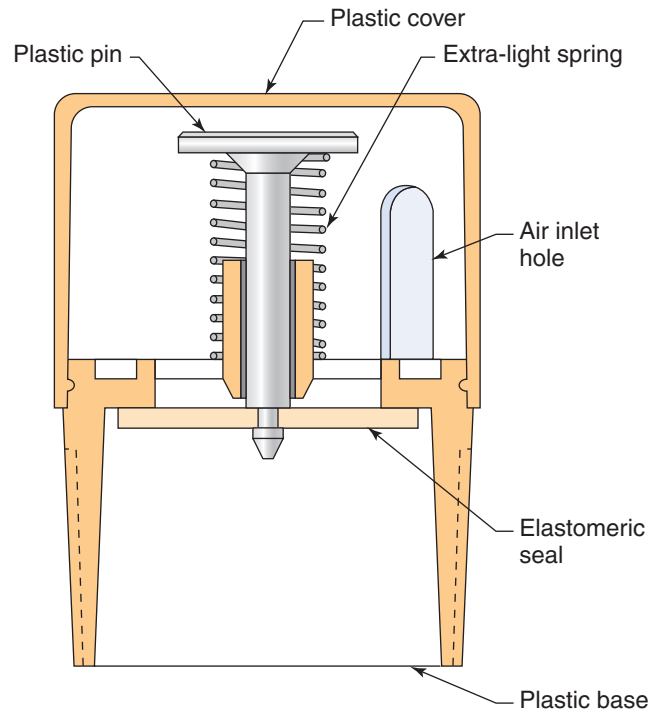
917.8

Prohibited Installations, Air Admittance Valves



The two cut-away illustrations clarify how an air admittance valve operates. The third illustration is a mechanical vent not permitted by the code that commonly is used in factory-built homes conforming to HUD requirements.

alternative to the products or systems referenced in the code. The code in Chapter 1 requires a registered design professional to be involved in the design, documentation, inspection, testing, and approval of the designed system. Further, the designer will sign and seal the design as required by the authority having jurisdiction.



This device does not meet code-required standards and is not an air admittance valve.