

Chapter 51-56 WAC
STATE BUILDING CODE ADOPTION AND AMENDMENT OF THE ((2018)) 2021
EDITION OF THE UNIFORM PLUMBING CODE

609.11 Insulation of Potable Water Piping. Domestic water piping within commercial buildings shall be insulated in accordance with Section ~~C403.2.8~~ C403.10.3 and Table ~~C403.2.8~~ C403.10.3 or Section C404.6 of the Washington State Energy Code, as applicable.

913.0 Air Admittance Valves. This section is optional and will be effective if adopted by a local ordinance.

913.1 General. Vent systems utilizing air admittance valves shall comply with this section.

913.2 Where Permitted. Individual fixtures, a branch vent, a vertical wet vent, and a horizontal wet vent shall be permitted to terminate with a connection to an air admittance valve. Fixtures connected to an air admittance valve shall be located on the same floor level.

913.3 Installation. Air admittance valves shall conform to ASSE 1051 for single fixtures, and ASSE 1050 for multiple fixtures, and shall be

installed as required in this section and the manufacturer's installations guidelines.

913.3.1 Location.

(1) Air admittance valves shall be accessible and located in an area that allows air to enter the valve.

(2) The air admittance valve shall be located a minimum of four (4) inches above the trap arm.

(3) The air admittance valve that serves as a vent termination for a branch vent, or vertical and horizontal wet vent, shall be located at a minimum of six (6) inches above the flood level rim of the highest fixture being vented.

(4) The air admittance valve shall be located within the maximum developed length permitted for the vent as shown in Table 703.2.

(5) The air admittance valve shall be installed not less than six (6) inches above insulation materials.

913.4 Size. The air admittance valve shall be rated in accordance with the standard for the vent size as determined in Table 703.2.

913.5 Vent Required. Not less than one plumbing vent sized as required by Section 904.1, shall extend to the exterior of the building as required in Section 906.1.

913.6 Relief Vent. When a horizontal branch drain utilizes an individual or branch type air admittance valve, a relief vent shall be installed when the horizontal branch drain is located more than four (4) branch intervals from the top of the building drain (waste stack), and the relief vent shall extend to the outdoors or connect to a vent stack. The relief vent shall be sized in accordance with Section 904.1, installed in accordance with Section 905.0, and shall be permitted to serve as the vent for other fixtures.

913.6.1 Prior Approval. Installations that require a relief vent shall be submitted for an installation design review.

913.7 Prohibited Installations.

913.7.1 Sumps. Air admittance valves shall not be utilized to vent sumps or tanks of any type.

913.7.2 Chemical Waste Systems. Air admittance valves shall not be installed in non-neutralized chemical waste systems without a design review and approval by the authority having jurisdiction.

913.7.3 FOG Disposal Systems. Air admittance valves shall not be installed on any fixtures that are connected to a FOG disposal system.

913.7.4 Plenums. Air admittance valves shall not be located in spaces utilized as supply or return air plenums.