

**4714.0609 INSTALLATION, TESTING, UNIONS, AND LOCATION.**

Subpart 1. [Renumbered subp 2]

Subpart 1. **Section 609.1.** UPC section 609.1 is amended to read as follows:

**609.1 Installation.** Water piping shall be adequately supported in accordance with Table 313.3. Burred ends shall be reamed to the full bore of the pipe or tube. Changes in directions shall be made by the appropriate use of fittings, except that changes in direction in copper or copper alloy tubing shall be permitted to be made with bends, provided that such bends are made with bending equipment that does not deform or create a loss in the cross-sectional area of the tubing. Changes in direction are allowed with flexible pipe and tubing without fittings in accordance with the manufacturer's instructions. Provisions shall be made for expansion in hot-water piping. Piping, equipment, appurtenances, and devices shall be installed in a workmanlike manner in accordance with the provisions and intent of this code. Building supply and yard piping shall be located not less than 12 inches (305 mm) below the maximum local frost depth, in accordance with section 312.6, or an alternative approved by the Authority Having Jurisdiction. The cover shall be not less than 12 inches (305 mm) below finish grade.

Subp. 2. [Renumbered subp 4]

Subp. 2. **Section 609.6.** UPC section 609.6 is amended to read as follows:

**609.6 Location.** Except as provided in section 609.7, no building supply shall be located in a lot other than the lot that is the site of the building or structure served by the building supply.

**609.6.1 Water Supply Near Sources of Contamination.** Potable water supply pipes shall not be located in, under, or above cesspools, septic tanks, septic tank drainage fields, seepage pits, soil treatment systems, contaminated soil, sewer manholes, catch basins, storm water storage tanks, buried tanks containing chemicals or petroleum products, or any other source of contamination that in the judgment of the administrative authority might contaminate the potable water supply. A horizontal separation of ten feet shall be maintained between the outer edge of the water supply pipe and the outer edge of the contamination source.

Subp. 3. **Section 609.10.** UPC section 609.10 is amended to read as follows:

**609.10 Water Hammer.** Building supply systems where water hammer occurs shall be provided with water hammer arrestors to absorb the resulting high pressures. Water hammer arrestors shall be approved mechanical devices that comply with ASSE 1010 or PDI-WH-201 and shall be installed as close as possible to quick-acting valves.

Subsection 609.10.1 Mechanical Devices is not amended.

Subp. 4. **Section 609.** UPC section 609 is amended by adding the following subsection:

**609.12 Water Meters.** Water meters shall be located in an approved location inside a building as close as possible to the point of entrance of the potable water supply pipe, installed at least 12 inches above the finished floor, and readily accessible. All water meter installations shall be rigidly

supported with a permanent support in order to prevent the meter from vibrating when the water is passing through it.

**Exceptions:** Where installation inside a building is not possible, the water meter may be installed in an enclosed structure not subject to flooding, high groundwater, or surface drainage runoff, provided the meter is protected from freezing. Provisions shall be made to install the meters above grade when possible. When installed below grade, the top of the structure shall be located at least 12 inches above the finished grade, be secured, and be accessible. This structure shall not be connected to any storm or sanitary sewer system.

**Statutory Authority:** *MS s 326B.43; 326B.435*

**History:** *40 SR 71; 45 SR 1007*

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