

**4714.0710 DRAINAGE OF FIXTURES LOCATED BELOW THE NEXT UPSTREAM MANHOLE OR BELOW THE MAIN SEWER LEVEL.**

Subpart 1. [Renumbered subp 2]

Subpart 1. **Section 710.10.** UPC section 710.10 is amended to read as follows:

**710.10 Sump and Receiving Tank Covers and Vents.** Sumps and receiving tanks shall be provided with substantial covers having a bolt-and-gasket-type manhole or equivalent opening to permit access for inspection, repairs, and cleaning. The top shall be provided with a vent pipe that shall extend separately through the roof or, where permitted, be combined with other vent pipes. The vent pipe shall be large enough to maintain atmospheric pressure within the sump under normal operating conditions and in no case shall be less in size than that required by Table 703.2 for the number and type of fixtures discharging into the sump, nor less than 1-1/2 inches (40 mm) in diameter. Where the preceding requirements are met and the vent, after leaving the sump, is combined with vents from fixtures discharging into the sump, the size of the combined vent need not exceed that required for the total number of fixtures discharging into the sump. No vent from an air-operating sewage ejector shall combine with other vents.

**Exception:** Vents serving sumps connected to elevator pit drains or swimming pool deck drains need not extend through the roof and must not connect to any other vent pipe.

Subp. 2. [Renumbered subp 3]

Subp. 2. **Section 710.12.** UPC section 710.12 is amended to read as follows:

**710.12 Grinder Pump Ejector.** Grinder pumps shall be permitted to be used. The sump basin storage volume and the pump capacity shall be sized adequately to prevent overloading and shall at a minimum accommodate water demand peak flow from all fixtures.

**710.12.1 Discharge Piping.** The discharge piping shall be sized in accordance with the manufacturer's installation instructions and shall be not less than 1 1/4 inches (32 mm) in diameter. A check valve and fullway-type shutoff valve shall be located within the discharge line.

Subp. 3. **Section 710.13.** UPC section 710.13 is amended to read as follows:

**710.13 Macerating Toilet Systems.** Listed macerating toilet systems shall be permitted as an alternate to a sewage pump system only in one- or two-family dwellings when gravity flow is not possible. Not more than one bathroom group is permitted to discharge into a macerating toilet system. One bathroom group consists of: a toilet; a lavatory; and a shower or bathtub. Components of macerating toilet systems shall be accessible.

**710.13.1 Sumps.** The sump shall be watertight and gastight.

**710.13.2 Discharge Piping.** The discharge piping shall be sized in accordance with the manufacturer's instructions and shall be not less than 3/4 inch (20 mm) in diameter. The developed length of the discharge piping shall not exceed the manufacturer's instructions. A

check valve and fullway-type shutoff valve shall be located within the discharge line or internally within the device.

**710.13.3 Venting.** The plumbing fixtures that discharge into the macerating device shall be vented in accordance with this code. The sump shall be vented in accordance with the manufacturer's instructions and the vent shall be permitted to connect to the fixture venting.

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

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

**Published Electronically:** *September 27, 2021*