

*(Effective until October 29, 2023)*

**WAC 51-52-1200 Chapter 12—Hydronic piping.**

**1209.5 Thermal barrier required.** Radiant floor heating and snow melt systems shall be provided with a thermal barrier in accordance with Sections 1209.5.1 and 1209.5.2. Concrete slab-on-grade, asphalt and paver-system type pavements shall have a minimum of R-10 insulation installed under the area to be snow melted, or R-5 insulation shall be installed under and at the slab edges of the area to be snow melted. The insulation shall be located underneath the snow and ice melt hydronic piping or cable and along all edges of the pavement where the snow and ice melt system is installed in accordance with the snow and ice melt manufacturer's instructions. Insulation R-values for slab-on-grade and suspended floor insulation shall be in accordance with the Washington State Energy Code.

**1210.7.6 Expansion tanks.** Shutoff valves shall be installed at connections to expansion tanks. A method of draining the expansion tank downstream of the shutoff valve shall be provided.

[Statutory Authority: RCW 19.27.031, 19.27.074, and chapter 19.27 RCW. WSR 22-09-009, § 51-52-1200, filed 4/8/22, effective 5/9/22. Statutory Authority: RCW 19.27.035 and 19.27.074. WSR 21-05-020, § 51-52-1200, filed 2/8/21, effective 3/11/21. Statutory Authority: RCW 19.27.031 and 19.27.074. WSR 20-03-041, § 51-52-1200, filed 1/8/20, effective 7/1/20; WSR 16-01-148, § 51-52-1200, filed 12/21/15, effective 7/1/16.]

*(Effective October 29, 2023)*

**WAC 51-52-1200 Chapter 12—Hydronic piping.**

**1209.5 Insulation and thermal break required.** Radiant floor heating and snow melt systems shall be provided with insulation and a thermal break in accordance with Sections 1209.5.1 and 1209.5.2. Concrete slab-on-grade, asphalt and paver-system type pavements shall have a minimum of R-10 insulation installed under the area to be snow melted, or R-5 insulation shall be installed under and at the slab edges of the area to be snow melted. The insulation shall be located underneath the snow and ice melt hydronic piping or cable and along all edges of the pavement where the snow and ice melt system is installed in accordance with the snow and ice melt manufacturer's instructions. Insulation R-values for slab-on-grade and suspended floor insulation shall be in accordance with the Washington State Energy Code.

**1210.7.6 Expansion tanks.** Shutoff valves shall be installed at connections to expansion tanks. A method of draining the expansion tank downstream of the shutoff valve shall be provided.

[Statutory Authority: RCW 19.27.031 and 19.27.074. WSR 23-02-055 and 23-12-106, § 51-52-1200, filed 1/3/23 and 6/7/23, effective 10/29/23. Statutory Authority: RCW 19.27.031, 19.27.074, and chapter 19.27 RCW. WSR 22-09-009, § 51-52-1200, filed 4/8/22, effective 5/9/22. Statutory Authority: RCW 19.27.035 and 19.27.074. WSR 21-05-020, § 51-52-1200, filed 2/8/21, effective 3/11/21. Statutory Authority: RCW 19.27.031 and 19.27.074. WSR 20-03-041, § 51-52-1200, filed 1/8/20, effective

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