

**1346.0309 SECTION 309 TEMPERATURE CONTROL.**

IMC Section 309 is amended by adding a section to read as follows:

**309.2 Balancing.** All mechanical ventilation and hydronic systems shall be capable of being balanced in accordance with this section.

**309.2.1 Mechanical ventilation system balancing.** Mechanical ventilation systems shall provide airflow rates within +/-10 percent of design capacities and fan speed shall be adjusted to meet design airflow conditions.

**Exceptions:**

1. Speed adjustment is not required for fan motors rated at one horsepower (0.746 kW) or less.
2. Residential exhaust-only ventilation systems shall be capable of exhausting the minimum ventilation rate required in the Minnesota Energy Code, Minnesota Rules, chapter 7670 or 7672.

**309.2.2 Hydronic system balancing.** Hydronic systems shall provide flow rates within +/-10 percent of design capacities and pump impellers shall be trimmed or pump speed shall be adjusted to meet design flow conditions.

**Exception:** Impeller trimming or speed adjustment is not required for pump motors rated at five horsepower (3.73 kW) or less.

**309.2.3 Systems balancing reports.** Systems balancing reports shall verify system performance and shall specify that the minimum amount of outdoor air required in amended Chapter 4 is provided to the ventilation system. Systems balancing reports shall be submitted to the building official upon request.

**Statutory Authority:** *MS s 16B.59; 16B.61; 16B.64; 326B.101; 326B.106; 326.13*

**History:** *15 SR 71; 29 SR 299; L 2007 c 140 art 4 s 61; art 13 s 4*

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