NSF Standard(s) Impacted:  NSF/ANSI 4

Background:
Provide a brief background statement indicating the cause and nature of concern, the impacts identified relevant to public health, public understanding, etc, and any other reason why the issue should be considered by the Committee. Reference as appropriate any specific section(s) of the standard(s) that are related to the issue.

Any portion of the milk system on a cappuccino machine that retains milk for an undetermined amount of time is required to maintain the temperature of the milk at a safe holding temperature verified by performance testing. Milk tubing that is drained, flushed/rinsed at controlled time intervals may be exempt from the temperature performance criteria. The original language was developed based on machines that may gravity drain the milk tubing between uses. Some of today’s machines utilize technologies that flush the milk tubing by pumping a liquid through it at periodic intervals. The mechanical flushing of the tubing provides a more effective purge of the milk than a gravity draining design. The proposal below clarifies the requirements and incorporates specific language to address the systems that mechanically flush the tubing at time controlled intervals.

Recommendation:
Clearly state what action is needed: e.g., recommended changes to the standard(s) including the current text of the relevant section(s) indicating deletions by use of strike-out and additions by highlighting or underlining; e.g., reference of the issue to a Task Group for detailed consideration; etc.

5.40 Cappuccino machines with milk reservoirs systems

5.40.1 Except as noted in 5.40.2, milk reservoirs and all milk-conveying components on cappuccino machines shall conform to the temperature performance criteria of NSF/ANSI 18.

5.40.2 The requirements in 5.40.1 shall not apply to tubing used to convey milk may be exempt from 5.40.1, provided that the tubing is:

— designed so that it is completely drained or flushed of milk between uses at intervals not exceeding TBD amount of time;
— transparent enough to verify that it is void of milk and has an exposed portion visible to the operator; and
— no greater than 18 in (46 cm) in length when tubing is only gravity self-drained without being flushed.

5.40.3 Milk reservoirs and all milk conveying components, including tubing, shall conform to 5.1.3.

Supplementary Materials (photographs, diagrams, reports, etc.):
If not provided electronically, the submitter will be responsible to have sufficient copies to distribute to committee members.

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Signature*: Mike Kohler
Company: NSF International
Telephone Number: 734-945-5730 E-mail: kohler@nsf.org

Please submit to the Secretariat of the Joint Committee on: ________________________________

Email completed form to the Standards Department: standards@nsf.org.

*Type written name will suffice as signature