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M-b-342
Supplement 2

February 26, 2025

TO: Chief, Dairy Operations East Branch
Chief, Dairy Operations West Branch
FDA Milk Specialists
Milk Regulatory/Rating Agencies

FROM: Milk Safety Policy Branch (HFS-316)

SUBJECT: Anderson-Negele IZMS Electromagnetic Flowmeter with updated IZMAG flow tube

Milk Specialists from FDA's Dairy Operations Branches and subject matter experts from FDA's Dairy Safety Policy Branch, in consultation with the Atlantic Midwest Dairy Equipment Review Committee (AMDERC), have evaluated and validated the technical information submitted by Anderson-Negele regarding the piping configuration requirements of the Anderson-Negele IZMS Electromagnetic Flowmeter with updated IZMAG flow tube.

In accordance with the requirements for Magnetic Flow Meter Based Timing Systems in Appendix H of the 2023 Grade "A" *Pasteurized Milk Ordinance*, the following piping configuration has been reviewed and found to be acceptable. The IZMAG flow tube must be installed with a minimum of 5 pipe diameters of straight, unobstructed pipe upstream from the meter body and 2 pipe diameters of straight, unobstructed pipe downstream when measured from the inlet and outlet of the meter body. No tees, elbows, valves, check valves, or other devices that may cause turbulent flow can be within these lengths of straight pipe.

Figure 1: Original IZMS Configuration

Figure 2:IZMS with IZMAG Flow Tube

The updated IZMAG flow tube is easily identified by visual inspection, as shown in Figures 1. and 2. The sanitary design of the IZMAG flow tube was not reviewed but at the time of publication of this memorandum the IZMAG units are covered under 3-A SSI, Inc. Certification Authorization Number 272. The IZMS Converter/Transmitter unit is unchanged, and all other provisions described in M-b-342 still apply.

For information regarding this equipment, please contact:

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Attn: Ryan Fitzgerald, Senior Product Manager

FDA's review and acceptance of this piece of equipment does not constitute FDA endorsement or approval. Any representation on a label or in printed literature citing or indicating as "FDA Approved" is false and misleading.

An electronic version of this memorandum is available for distribution to FDA Milk Specialists, State Milk Regulatory / Agencies and Milk Sanitation Rating Officers. The electronic version should be widely distributed to representatives of the dairy industry and other interested parties and will be available on the FDA Web Site at https://gams.fda.gov/ at a later date.

Please direct questions or concerns regarding this M-b to HFP-Dairy@fda.hhs.gov.