

# Dairy Manufacturer Increases Production Time in HTST Pasteurization Loop

## RESULTS

- Increased process availability
- Reduced downtime associated with timing meter failure
- Reduced cleaning and loop recertification maintenance costs



## APPLICATION

HTST dairy pasteurization timing system

## CUSTOMER

A dairy processor in North America

## CHALLENGE

This manufacturer experienced frequent timing meter failures due to the environmental conditions including high moisture, varying temperatures, and excessive vibration. This resulted in reduced throughput caused by process downtime, and excessive maintenance costs to replace and re-certify the loop according to the FDA Pasteurized Milk Ordinance (PMO).

## SOLUTION

The Rosemount 8721 Hygienic Magmeter was implemented as the timing meter for the pasteurization loop. The 8721 has been tested by the FDA (PMO M-b 350) and provides repeatable, reliable, low maintenance flow metering at accuracies to 0.25%.

The Rosemount 8721 Hygienic Magmeter was specifically designed for reliability in this type of environment. The all welded stainless steel meter body and dual compartment electronics enclosure were designed to isolate the electronic components from moisture. In addition, the optically isolated Local Operator Interface (LOI) further reduced the incidents of electronics failures due to the environmental conditions.

The 8721 was installed in the pipe using industry standard process connections, and is fully compatible with CIP processes.

*The Rosemount 8721 Hygienic Magmeter has increased process availability and reduced maintenance costs associated with timing meter failure.*



*The Rosemount 8721 Hygienic Magmeter*

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**RESOURCES**

**Emerson Process Management Food & Beverage Industry**

<http://www2.emersonprocess.com/en-US/plantweb/customerproven/Pages/FoodBeverage.aspx>

**Rosemount 8721 Hygienic Sensor**

<http://www2.emersonprocess.com/en-US/brands/rosemount/Flow/Magnetic-Flowmeters/8721-Hygienic-Sensor/Pages/index.aspx>

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