



Maximize Your Quality with Automatic Dairy Sampling

Custody transfers, end use processes and waste by product management in the dairy industry all require precise data to ensure quality, safety and compliance. Sentry Equipment's representative sampling collection provides dairy farms and milk product producers with composite samples that drive company decisions.

While manual sampling techniques, such as hand scoop, spigot sampling and dipper/ladle sampling are common, they fail to keep up with FSMA standards and do not provide a fully composite look at the product.

With threats to dairy processes such as microbial temperatures and butterfat and protein content, automatic sampling provides security that quality is maintained with a higher level of confidence.

- **Reliable** – From validation of raw ingredients to quality testing, a representative sample is available throughout the entire process
- **Accurate** – A repeatable method that eliminates operator error
- **Shortened Downtime** – Sample at every level of processes without operator involvement and multiple sanitation
- **Verify Ingredients** – Verify that ingredients are being blended at appropriate ratios with a stratified sample
- **Product Traceability** – Track and verify ingredients from farm to final products throughout the supply chain

CUSTOMIZED FOR EASE AND IMPLEMENTATION

Sentry ISOLOK sampling systems are specifically designed to allow for ease of implementation and use. Installation is simple with any of Sentry's ISOLOK suite adapting to your existing tubing/piping*. The sampler is installed onto your processes via a tri-clamp.

Once installed, the system is able to tie into your existing PLC or DCS systems. This allows sampling to be easily integrated into your day-to-day operations by taking samples via existing equipment.



Sentry Dairy Sampling Solutions

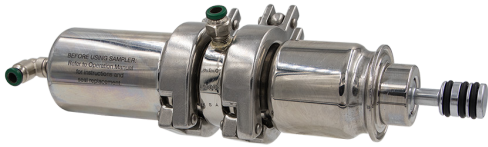
RAW OR PROCESSED MILK SAMPLING

ISOLOK M4KSA

- 1, 2 or 3 cc sample volume per cycle
- Suitable for receiving dock or in-plant installations on pressure or suction lines
- FDA Compliant
- Features ferrule-clamp mounting suitable to any lines greater than 1.5" diameter, a quick disconnect tri-clamp to expose all wetted parts for cleaning, and a built-in mount for 24 mm thread sample bottles

ISOLOK MSA

- Collects a fixed sample volume of 0.5 cc per cycle
- Used in a process line or on the wall of a vessel or installed on road tankers transporting liquid milk
- FDA Compliant
- Powered by compressed air and operated by an electrical cycle controller that provides adjustable, time-based sampling rates



CREAM SAMPLING

ISOLOK MSC

- Captures up to 14 cc per cycle
- Ideal for liquids or slurries up to 1,000 centipoise
- FDA Compliant
- Samples taken via compressed air inserting and retracting the plunger
- Operator is isolated from the process at all times by the sampler's seal design



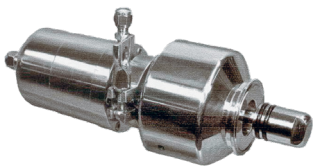
HIGH VISCOSITY DAIRY SAMPLING

ISOLOK MSD

- Ideal for liquids or slurries up to 150,000 cP
- Captures up to 14 cc per cycle
- Used in applications where process pressures range from 30 psig (2 barg) to 200 psig (13.7 barg)
- Operating modules available in a variety of configurations

ISOLOK MSE

- Ideal for liquids or slurries up to 150,000 cP
- Captures up to 10 cc per cycle
- Used in applications where process pressures range from atmospheric to 150 psig (10.3 barg)
- Operating modules available in a variety of configurations



3-A CERTIFIED SAMPLING EQUIPMENT

Samplers that meet **3-A Standards** for sanitary design are marked with a 3-A Symbol and have passed third-party verification inspection.

The USDA, FDA and state regulatory authorities accept the 3-A standard.

Sentry Equipment samplers meet these standards through the use of FDA compliant seals, 316 stainless steel materials and other necessary design elements.

sentry-equip.com

966 Blue Ribbon Circle North, Oconomowoc, WI 53066 U.S.A. | +1-262-567-7256 | sales@sentry-equip.com

2020 Sentry Equipment Corp. All rights reserved. Carnation is a registered trademark of the Nestlé Group. Sentry and ISOLOK are registered trademarks of Sentry Equipment Corp.

Sample. Monitor. Measure.
SENTRY
Any Application. Anywhere.

S-AL-BRO-00500-0 09-20