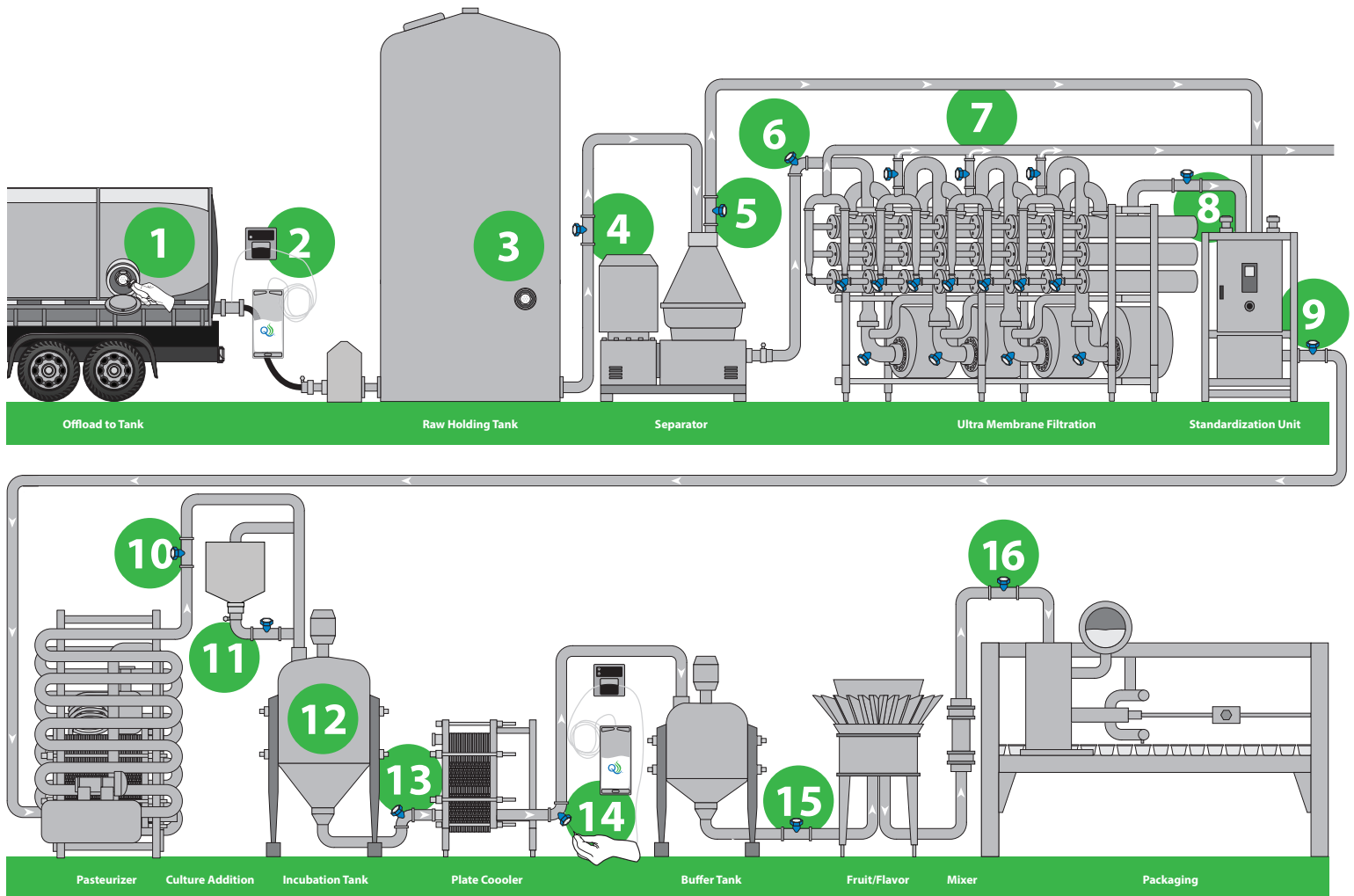


TRAINING & SUPPORT: DAIRY PROCESSOR: ULTRA-FILTRATION



APPLICATION SITES



OUR SYSTEM IS AS EASY AS
1-2-3-4!



TRAINING & SUPPORT:

DAIRY PROCESSOR: ULTRA-FILTRATION



Leaders in the
science of aseptic and
representative sampling

APPLICATION SITES

- 1 Milk Tanker Truck Sampling**

Install a QualiTru Sanitary Recessed Port with Security Lid to pull an official Pasteurized Milk Ordinance (PMO) Appendix N (antibiotic) sample prior to entering the receiving bay. Side port sampling eliminates the need to climb to the top of the tanker truck, assuring a safer physical sampling environment, and improving operation efficiencies.
- 2 Receiving Bay Sampling**

Install a beveled seat QualiTru TruStream Sanitary Port at the outlet valve on a tanker truck. A representative milk sample can be collected via a peristaltic pump and sterile collection unit as the tanker truck is being unloaded in the receiving bay, improving operation efficiencies and reducing receiving bay congestion.
- 3 Raw Product Sampling**

Install a QualiTru TruStream Sanitary Port for compositional testing for standardizing calculations (mass balance) around the separator. Samples can also be used to compare thermophilic bacterial growth inside the separator (cream discharge from separator) against what was fed into it.
- 4 Inline Feed to Separator**

Install a QualiTru TruStream Sanitary Port to check the compositional and microbial basis of the raw milk stream going into the separator for comparison of the discharge streams. Samples can also be used to monitor thermophilic bacteria growth inside the separator during production runs.
- 5 Cream Discharge from Separator**

Install a QualiTru TruStream Sanitary Port to verify compositional targets coming out of the separator. Samples can also be used to monitor thermophilic bacteria growth inside the separator during production runs.
- 6 Skim Discharge from Separator or Skim Feed to Ultra-Filtration (UF) Unit**

Install a TruStream Sanitary Port to sample for compositional balance around the separator and UF, as well as a microbiology reference point going into the UF.
- 7 UF Permeate Discharge**

Install a QualiTru TruStream Sanitary Port for compositional testing for mass balance around the UF. Samples can also be used for troubleshooting quality and cleaning issues, when installed in a series.
- 8 UF Concentrate Discharge**

Install a QualiTru TruStream Sanitary Port for compositional testing for mass balance around the UF. Samples can also be used for microbial testing of this standardized, concentrated milk stream.
- 9 System Diagnostic**

Install a QualiTru TruStream Sanitary Port at any location throughout your fluid path as part of the diagnostic function, system quality check, Clean in Place (CIP) cleanliness check and overall milk quality samples.
- 10 Pasteurized Discharge**

Install a QualiTru TruStream Sanitary Port on the backside of the pasteurizer for validation of microbial kill from pasteurization and to verify pasteurization effectiveness and efficiency. Samples can also be part of the diagnostic function, system quality check, CIP cleanliness check and overall milk quality.
- 11 Culture Addition**

Install a QualiTru TruStream Sanitary Port for validation of inoculum load. Samples can also be used to validate for lack of undesired microbial load.
- 12 Incubation Tank**

Install a QualiTru TruStream Sanitary Port on the side of the incubation tank to obtain quality or process samples.
- 13 Incubation Tank Discharge**

Install a QualiTru TruStream Sanitary Port for validation of inoculum load. Samples can also be used for microbial and bacteriophage testing.
- 14 After The Plate Cooler or Chiller**

Install a QualiTru TruStream Sanitary Port (either elbow or straight) as close to the chiller outlet as possible. Locate a peristaltic pump as close to the QualiTru TruStream Sanitary Port as possible. Samples can be used to monitor regulatory requirements and quality. Samples can also be used for troubleshooting quality and cleaning issues, when installed in a series.
- 15 System Diagnostic**

Install a QualiTru TruStream Sanitary Port at any location throughout your fluid path as part of the diagnostic function, system quality check, CIP cleanliness check and overall milk quality samples.
- 16 Filler**

Install a QualiTru sanitary port just before the filler for regulatory or quality system sampling. Samples can also be used to verify the sterility of the product just prior to packaging and to verify the lack of contaminants system-wide.