



HIGH EFFICIENT DUAL MILK RECEPTION & ELEVATED STORAGE SILOS

TEC SQUARE DUAL MILK RECEPTION TECHNOLOGY

TEC Square designs milk reception plants using the least capital expenditure. We prefer one unloading system for 2 unloading bays, optimizing the utilization of equipment.

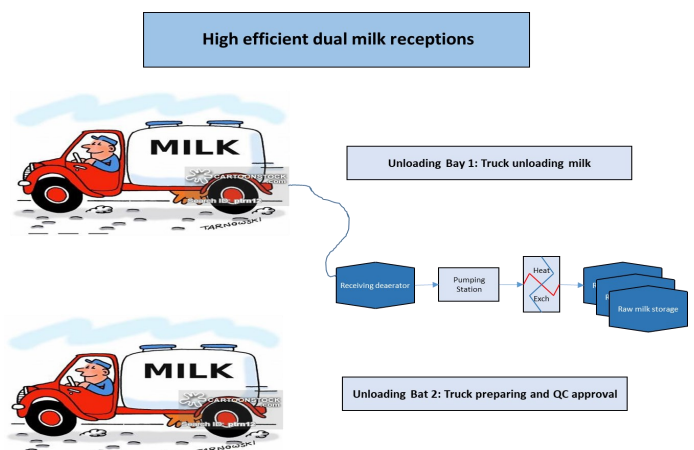
The principle of operation:

- ◆ Truck 1 comes at the 1st bay, hooks up and does QC.
- ◆ Next, truck 1 will start unloading milk.
- ◆ During this time Truck 2 comes to the 2nd bay, starts preparing hoses and does QC.
- ◆ When Truck 1 finishes unloading milk, Truck 2 will automatically start unloading.
- ◆ Truck 1 undoes the hoses and vacates the place for a new truck.

We design the unloading time to be less or equal to the combined hook-up and QC time.

DUAL MILK RECEPTION — KEY POINTS

We require only half of the equipment compared to most standard designs for a milk reception plant.



Schematic Process for a Dual Milk Reception Line

SPECIFICATIONS AND ADVANTAGES

	TEC Square High Efficient Milk Reception	Advantages
Investment in Buildings	Our solution provides a more concentrated approach, which in the end is more simple. The installation will require less building foot print. All our tanks are located on top of part of the processing area.	Lower capital expenditure will be required.
Raw Milk Storage Tanks	<p>We typically design storage tanks to be located above our processing rooms.</p> <p>Valves are installed directly on the tanks creating a solution without dead-ends, requiring less valves as well.</p>	<p>This method of installation has several advantages:</p> <ul style="list-style-type: none"> ◆ Less installation cost. ◆ Lower building footprint. ◆ Easy maintenance access. ◆ Fewer valves installed ◆ Less destruction of fat globules, feed to the balance tank is by gravity. ◆ Less power consumption. ◆ Can be FDA approved. ◆ More ergonomic design.
Installed Equipment	We design one set of unloading equipment for 2 unloading docks.	<ul style="list-style-type: none"> ◆ We only require 50% of all of the unloading equipment. ◆ Thus only 50% of valves and CIP circuits.

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