



Aseptic Storage Tanks

Gemina[®]

www.gemina.es

Aseptic Storage Tanks

APPLICATIONS

Concentrate, pulp or juice extract can be stored for long periods and further processed later on in the year. This fights fresh fruit seasonality. In order to do this, pulp or juice extracted is stored in previously sterilized and inerte tanks.



HOW IT WORKS

GÉMINA manufactures aseptic storage farms with stainless steel containers with standard or custom capacities upon each customer's needs.

The sterilization of these tanks is performed by injecting steam and its subsequent replacement with sterile nitrogen.

For bigger containers (from 200 tons) the sterilization is carried out chemically, thus guaranteeing the integrity of the tanks.



ADVANTAGES

GÉMINA implements these facilities in detail, with robotic welding, thus guaranteeing sterilization.

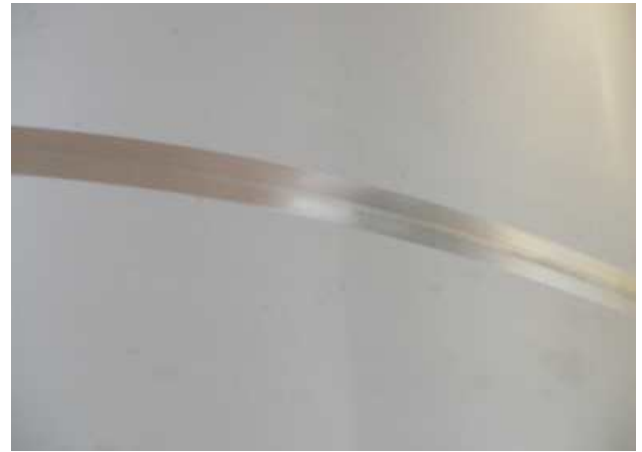
The cleaning of tanks is performed by stand-alone equipment or a centralized C.I.P.

GÉMINA supplies these facilities, from basic sterilized storage and manual controlled units to fully automated sterilized farms controlled by PLC, which guarantees a full control of the warehouse.

In these automated farms, the loading and unloading is performed automatically in sterile conditions.

The control of volume and pressure is performed each minute, so a failure in the tank is detected before the product suffers any alterations.

The nitrogen atmosphere around the product prevents it from oxidizing, extending its expiry date to more than one year.



OUTLINE OF PLANT

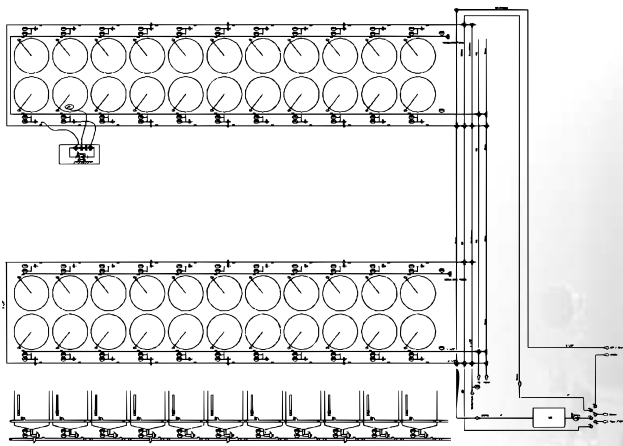


Diagram Cantina Storage Tank. Possible distribution.



MODELS

Capacity	Cleaning	Sterilization	Control
25000 L.	Stane-Alone/C.I.P.	Steam+nitrogen	Manual/Automatic
55000 L.	Stane-Alone/C.I.P.	Steam+nitrogen	Manual/Automatic
80000 L.	Stane-Alone/C.I.P.	Steam+nitrogen	Manual/Automatic
200000 L.	Stane-Alone/C.I.P.	Chemical	Manual/Automatic
300000 L.	Stane-Alone/C.I.P.	Chemical	Manual/Automatic
Custom	Stane-Alone/C.I.P.	According To Size	Manual/Automatic

MachinePoint®

Food Technologies

MACHINEPOINT FOOD TECHNOLOGIES was created as a result of a joint-venture between **MACHINEPOINT GROUP** and **GÉMINA**.

MACHINEPOINT FOOD TECHNOLOGIES designs, manufactures and integrates lines, equipment and processes for the food industry, more specifically for the beverage processors, the dairy industry and processors of fruits and vegetables.

MACHINEPOINT FOOD TECHNOLOGIES belongs to an international group specialized in industrial equipment for plastic, packaging and food industries.

The group is headquartered in Spain (Valladolid) and has sales offices in Turkey, Mexico, France, India and North Africa. The engineering center is also located in Spain (Murcia). It is at the engineering center where we manufacture our equipment and have our R & D + I department.

GEMINA PROCESOS ALIMENTARIOS S.L. is a leading equipment manufacturer that provides innovative solutions for the food industry. It has over 25 years experience in designing, manufacturing, assembling, automating and implementing lines and processes.

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