



WATER TREATMENT & BOTTLING PLANT SL 3000 PGRO

Water is the most important natural resource of the planet and is the fundamental element for human life. In order to guarantee efficiency of every human activity it's necessary to provide the right daily quantity of water to everyone.

To rehydrate the body and to produce excellent soft drinks, water must be fresh, pure and rich in minerals.

SERAM WATER TREATMENT PLANT SL 3000 PGRO is designed to treat both fresh and salt water coming from lakes, rivers, sea, wells or marshes and is calibrated for a 3000 liters/hour production, operated by a 3 low skilled operators + 1 technician.

Thanks to modular construction, based on standard 20' and 40' containers, **SERAM WATER TREATMENT PLANT SL 3000 PGRO** is fully transportable by truck and can be installed in a small area in 1 day work.

SERAM WATER TREATMENT PLANT SL 3000 PGRO is engineered for heavy and constant daily production; it requires low maintenance with the consequent reduction in operating costs.

FLAT WATER TREATMENT & BOTTLING PLANT SCHEMATIC D.W.G.

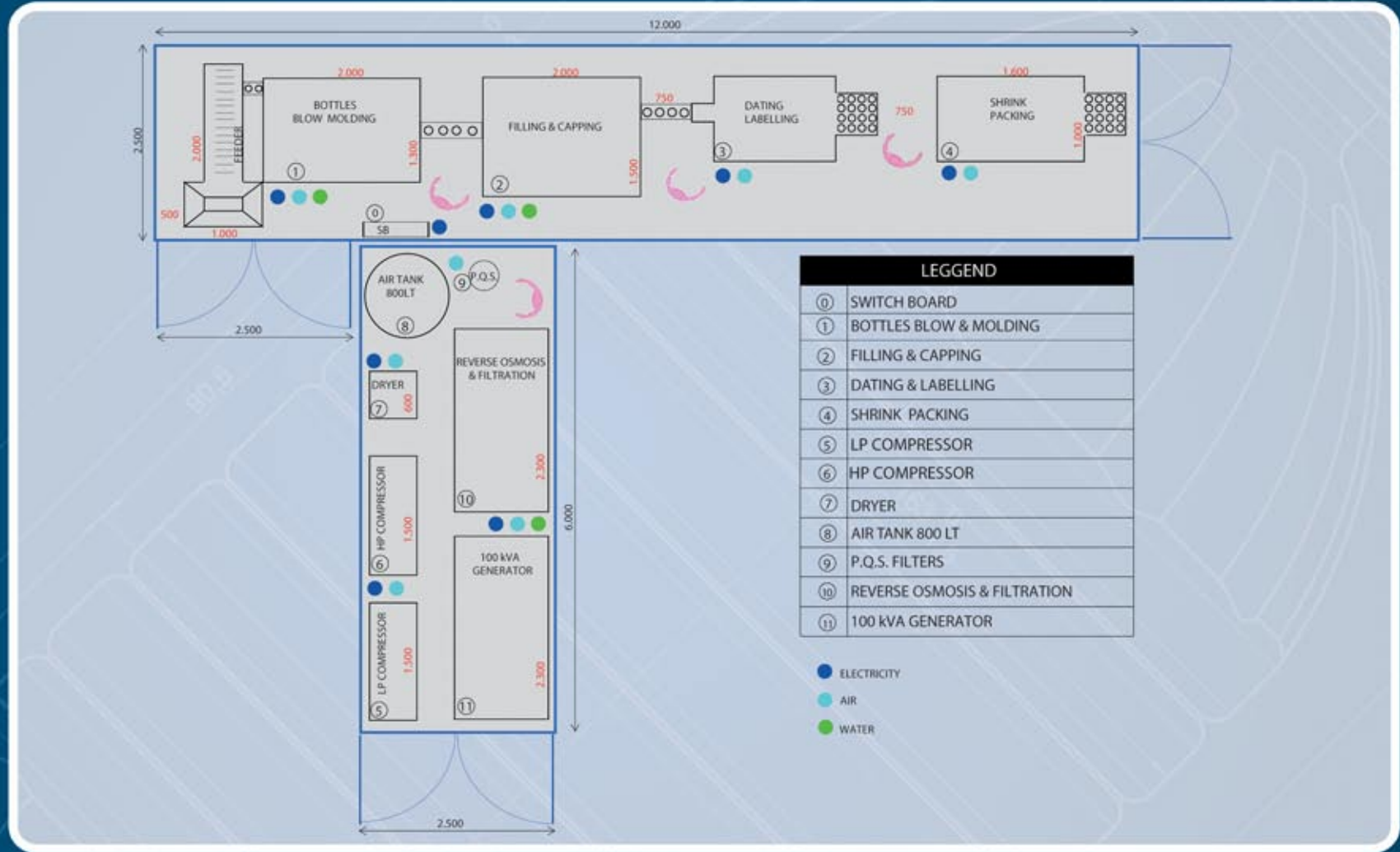
MODEL
SL 3000 PGRO

USE FOR
FLAT WATER
BOTTLING

CAPACITY
3000 LT/HR

FITTED ON
40' CONTAINER
20' CONTAINER

STAFF
REQUIRED
3 OPERATORS
1 TECHNICIAN



An efficient mix of simplified devices with high-tech controls make the unit highly reliable and easy to maintain; one operator can produce up to 3000 bottles an hour.

It has been engineered to eliminate the usual preform-to-bottle inversion process, thereby eliminating costly robotics and/or labor.

The preform unscrambler, hopper, elevator and sorter are integrated to produce bottles from 0,5 liters to 1,5 liters reducing costs by 25% to 50%.



1

BOTTLES BLOW AND MOLDING WORKFLOW

A) Preforms are loaded into the hopper.



B) An elevator moves preforms up to a gravity-based sorter, which aligns preforms on a conveyor.



C) Preform chute verifies proper feed status and transports preforms to heat tunnels.



D) Preforms move through four parallel heat tunnels, each with eight heat zones and two quartz heaters.



E) Preforms enter the open customdesigned molds.



F) Finished bottles in the molds.



G) Bottles move out of the molds and onto a conveyor, which takes them out of the blow.



H) Bottles exit the blow molder.



Filling and capping are grouped into a unique automatic machine to guarantee the right quantity of pure water.

The machine is fully inspectable to guarantee simple cleaning procedures and low maintenance.



Reliable and robust, labelling machines is made to work up to 3000 bottles/hour.

It's made of stainless steel AISI 304.

Can accept a wide range of self-adhesive labels and print lot number and "best before" date on the bottles.

It's full automatic, simple to use and requires low maintenance.



3

Shrink Packing Machine

Bottles can be packaged in group of 12 bottles by 0,5 liters or 6 bottles of 1,5 liters.



4

Water, coming from outside, is purified by means of a series of active carbon filters, reverse osmosis process and UV rays that guarantee a perfect sterilisation.

The preset parameters for potablisation can be adjusted according to local regulation. The plant is provided with a portable water test kit to guarantee complete analysis of water parameters. The plant can be adjusted to the production needs of the user and can deliver up to 3000 litres per hour.



10

On board silenced engine adopts the latest technology and high quality grind-proof materials. It features at low oil consumption, stable performance, easy maintenance, low operation cost, low emission.

It can be chosen in both air or water cooling version in order to operate under a wide range of temperature and weather conditions.





for more information
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