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NEW!



The principal characteristic of the new "NEPTUNE" generation is its very long cycle time. In the rinsing version, a powerful injection of water totally eliminates contaminants, and then a very long "overturned bottle" sequence ensures thorough drainage.

This special feature means that, alternatively, all our models can be offered in a "sterilising machine" version. In this configuration, an injection of a suitable solution (0.5 % peracetic acid) is followed by a recommended action time, a second injection of filtered water and then an optimal final drainage sequence.

The injected media is recycled through an auxiliary system, so the machine can run in wine or alcohol rinsing mode.

NEPTUNE RINSING MACHINE

NEPTUNE **2000**

NEPTUNE **3000**

NEPTUNE **4000**



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Operation

After being synchronized by an Archimedean screw, the bottles are placed (in groups of 3 or 4, depending on the model) on the conveyor via a ramp fitted with grippers, in step with the motion and speed of the conveyor.

The bottles are then turned over and loaded into the centering cones of the bottle magazines. These are moved sequentially in a closed circuit, in a domino-type motion, first backwards, and then (after a sideways movement from left to right), forwards, where the bottles are picked up by the unloading grippers, turned over and then placed on the conveyor, in step with its motion and speed.

The empty magazine is moved from right to left to be reloaded.

The injection of water occurs during the pause immediately following loading.

Optionally, neutral gas may be injected ("flushing") during the pause preceding unloading.

Advantages

- A very high number of stations in a compact space, guaranteeing a useful cycle time: *overturned bottle = excellent rinsing + draining.*
- Pick-up and removal of the bottles in step with their motion on the conveyor, ensuring flexible kinetics and enabling high-speed performance.
- Fully continuous and smooth operation on the conveyor, in contrast with the sequential operation in the "processing zone", generating a slight stop-and-go motion with each move, thus improving drainage.
- Bottle presence check during the loading phase: *no bottle = no injection.*
- Extremely simple water circuit, with no rotary distributor, no joints and with manually controlled gravity bleeding after use, facilitating cleaning and frost protection.
- Easy, tool-free removal of all the magazines ensures full access to the drip pans, for optimised cleaning and inspection of the injectors.
- Programming of the pick-up parameters for the different bottle formats (12-format memory), for instant model switchovers.
- Modular construction: a 2nd or even 3rd injection function and wine or alcohol rinsing or sterilising systems can be added on later.
- Full visibility of the process.
- Standard feature: water filtration with a 10", 1-micron-porosity cartridge in a plastic housing (optional: 3-stage filtration: 1 micron + 0.45 micron + activated carbon for dechlorination).

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