

# Working principle Tunnel washer



WASHING & DRYING  
SYSTEMS



## Basic Line (AWM 235.60)

The Cretel industrial tunnel washer (Basic Line) can be considered as a reliable and proven system for standard crate washing thanks to its straightforward concept with a high standard on hygienic design, water, chemicals and energy consumption. The Cretel tunnel washer is fully designed according the applicable European CE regulations.



## Washing

The tunnel washer consists of 2 sections, a washing section and a rinsing section.

The washing zone consists of a spraying system, a water circulation pump and a water tank. This way, the water in the tank is constantly being re-circulated through the filters of the washing zone.



The spraying system is built up of flat spray nozzles which can be detached easily. The spray pattern is specifically directed according the application.

## Rinsing

Between the washing and rinsing section we have created the necessary distance in order to avoid the mixing of the dirty washing water with the clean rinse water. This is very important to guarantee the removal of all chemicals on the articles.

The rinsing zone is equipped with spray tubes fed directly by the hot water network. The rinse water runs into the water tank of the washing zone which allows maximum recovery of water and energy.

## Hygienic concept

The installation has a full hygienic and open construction without hidden places in corners or double folds to avoid unattainable zones and accumulation of dirt. This is a result of many years of experience and focus on hygienic design.



## The transport system

A transport system provides the transporting of articles to be cleaned through the installation. It consists of the necessary side guides, a hold down system and a transport chain. The machine is equipped with fixed side guides and a swinging hold down system.



The transport speed is adjustable, so the contact time of the articles in the tunnel can be extended or shortened. However, the degree of pollution should be taken into account. Excessive increase in speed will decrease the washing results.

## The heating system

The heating system of the pre-washing and washing section is standard based on electric resistance or direct steam injection.

## Chemical

The washing installation can be equipped with chemical cleaning and disinfection by means of an automatic dosing system in the washing zone. Disinfection is also possible by injecting chemicals into the rinsing water.

## Low water and energy consumption

The total water consumption of the washing machine depends on the application and the type of installation, ranging from an average of 0.5 L to 1 L per article.

## Electrical control

Splash-free electrical cabinet equipped with a PLC and other necessary control elements. All tagging on the

cabinet is in the language of the user to ensure the communication between the installation and the operator.

## Filtering



The Cretel tunnel washer is standard equipped with a static filter which is manually removable for cleaning purposes. The design is made to create a maximum filtering capacity even in case of intensive soiling.

## One person operation

The one person operation looping, available in option enables the customer to load and unload the crates at one side. The operator positioned on the outfeed of the crate washer pushes the crates forward to the infeed of the washing machine.

