

# Working principle Rack Washer



WASHING & DRYING  
SYSTEMS



## Up/down moving spraying system – Cabin design

The Cretel Rack Washer is specially designed for the cleaning of racks and trolleys. It can be considered as a reliable and proven system thanks to its proven concept with a high standard on hygienic design, water, chemicals and energy consumption. The Cretel Rack Washer is fully designed according the applicable European CE regulations.



### Washing

The washing cabin consist of a motor driven washing arm that moves up and down equipped with flat spray stainless steel nozzles.

The complete washing cycle is free adjustable depending on the nominal capacity and the degree of dirtiness, and consists out of two or three steps e.g. pre-washing, intensive washing and rinsing. Those steps can be shortened or extended in time depending on the application.

During the washing cycle the water is taken from the tank via the circulation pump and continuously recirculated through the filters of the washing installation.

### Rinsing

The rinsing cycle uses fresh water, directly fed from the hot water network. The rinsing water runs into the water tank of the washing cabin 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 result of many years experience and focus on hygienic design.



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The flat spray stainless steel nozzles can be detached easily. The spray pattern is specifically directed according to the application.

Thanks to our concept for charging and discharging, a full separation between clean and contaminated area is possible.

## Filtering



The Cretel rack washer is standard equipped with a static filter which is manually removable for cleaning purposes.

Optionally the cabin washer can be equipped with a rotating filter (Auger) in case of extremely intensive soiling.

## The heating system

The heating system is standard based on electric resistance or direct steam injection. Optionally other heating systems are available on request e.g. via hot water or steam heat exchanger, gas burner unit, etc.

## Chemical

The washing installation can be equipped with chemical cleaning and disinfection by means of an automatic dosing system. 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 washing & rinsing cycle, ranging from an average 10 to 30 l per item

Optionally the rack washer can be equipped with a double wall isolated side water tank with return pump for energy saving.

## 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.

The touch panel with visualization of the machine, sensors and defaults enables the operator to work fluently.

## Loading / Unloading

In standard the machine is equipped with a double door system at the front. The machine can also be equipped with a loading ramp for easy charging and discharging.

The rack washer can be installed in a pit so that racks can be loaded and unload directly from the work floor.