

Working principle Cabin Washer



WASHING & DRYING
SYSTEMS



(P)WR 120.100 – (P)WR 130.100 – WR 120.130

The Cretel Cabin Washer is specially designed for the cleaning of plastic or steel containers like DOLAV, Euro containers etc. 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 Cabin Washer is fully designed according the applicable European CE regulations.



Washing

The washing cabin consist of a double spraying system. A rotating spraying pattern equipped with flat beam nozzles takes care of the washing and rinsing of the inside and the outside of the items to be cleaned.



This rotating spraying pattern is motor-actuated and is mounted on the back of the cabin washer. Additionally the loading door is equipped with a built-in fixed or rotating spraying pattern to clean the outside bottom of the items to be washed.

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, (pre-washing), intensive washing and rinsing. Those steps can be shortened or extended in time depending on the application.

During the pre-washing cycle, the machine takes his water out of the water tank through the circulation pump, the used water then is removed directly together with the heavy dirt to the drainage. During the washing cycle the water is also taken from the tank via the circulation pump and continuously recirculated through the filters of the washing installation.



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Rinsing

The rinsing cycle uses fresh water, directly fed from the hot water network in the building. 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 unattainable zones and accumulation of dirt. This is a result of many years experience and focus on hygienic design.

Flat spray nozzles which can be detached easily. The spray pattern is specifically directed according the application.

Filtering



The Cretel cabin 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.

Optionally the cabin washer can be equipped with a rotating filter (Auger or Slit system) 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 systems. 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.

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

The charging and discharging is done via the folded-open door. Once the item to be cleaned is placed on the ramp, it makes a rotation of 108°, inserts the item in the washing cabin and the door locks the installation.

Twin

Optionally there is also a Twin version available. This version allows us to double the capacity on a limited available surface.

