

Shopping cart washing and sterilization device

It is the first device of its own kind designed and developed by Afak Company for the industries and development of washing and sterilization systems

Advantages:

- Economical (reducing waste of water and cleaning materials)
- Organizing and facilitating the completion of work within the brand
- Shorten the space needed to complete the work
- Supporting the customers' insurance in the supermarket

Double benefit:

- (Washing and sanitizing the trolley - the device is a fixed advertisement with priority to the market)
- Meeting the need for technical development (transition from manual work to automated systems)
(Measures to reduce the spread of epidemics such as **Covid 19**)

The method of work:

**High pressure shopping cart washing and sanitizing device using water,
cleaning materials, mobile spray and drying system**

In addition to touch screen - driver installed by PLC system

- Work stages (the times of the stages are controllable)
- Pre-wash with high pressure water for 20 seconds
- Spray the chemical at high pressure in the form of a mist
- Soaking time starts from 10 seconds (adjustable)
- Rinse with water at high pressure
- Drying by 70% (can be increased) by 3 fans of diameter 36 cm / 1500 rpm



Operating capacity: 6 trolleys per meal time adjustable (from 1 minute to 5 or more—if needed)

**The number per hour is 70 trolleys minimum,
it increases and decreases according to the meal time specified by the user**

The device is environmentally friendly

**The washing water collects in a tank on the floor of the device
and then passes through a filter for solid wastes and then to the centrifugal pump
that releases the water used at the nearest sewage point without any damage**

Economical:

Conducting the cleaning process in an enclosed space reduces waste and increases efficiency

Technical Specifications:

Sizes:

External device dimensions:

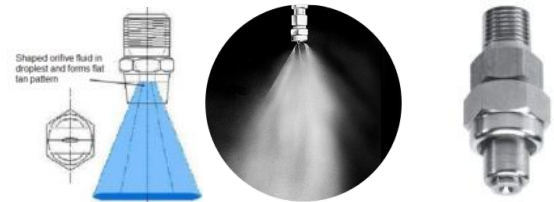
Height: 160 cm, width: 125 cm, length: 205 cm

Inner box dimensions:



Height: 120 cm, width: 90 cm, length: 185 cm

- The metal used in the inner box is stainless steel - 304 resistant
- The outer box is treated and coated with a thermal paint that is resistant to rust and environmental conditions
- Stainless steel water tank 304 with a capacity of 250 liters, connected to a water source in case of long working hours
 - Equipped with an automatic separation system that cuts off the water when the tank is full
 - Chemical tank stainless steel 304 with a capacity of 160 liters
- FULL CONE The machine is equipped with water sprinklers
- The device is equipped with Fog sprayers for cleaning materials



- The device needs a 220-volt single-phase electrical outlet, the capacity is 1500 watts
- The device is Turkish made with a two-year warranty.
- The sprayers used are American brand
- The weight of the device is 300 kg

Consumption of water and cleaning materials

- The operation of the device requires a water source and a place to drain the water used in the washing process



The amount of consumption is adjustable according to need if it is medium and above, starting with 1.2 liters per meal at a rate of 200 ml per trolley and water consumption is 14 liters per meal at a rate of 2 liters per trolley

Why do we use a washing and sterilization device for shopping carts?



AFAK-020 / MIDEUM SIZE

Placing the trolley inside a sealed box with a moving spray system gives a better washing result than the traditional methods of sterilization in open spaces. Therefore, the device is economical because there is no waste of sterilization materials as it is used in a closed box, in addition to the ability to adjust the appropriate amount by the user. The device is operated by a Digital screen to control the way of work and adjust it as needed

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