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# WASHING EQUIPMENT

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## WASHING MACHINE FOR CRATES

The pass-through washing machine is designed to clean plastic crates, buckets, boxes etc. It is made entirely of stainless steel, 1.4301 DIN (AISI 304) grade with permission for contact with food - according to the standard.

The washing process is performed by means of a centrifugal pump and adjustable nozzles. The proper cleaning agent is added manually in the feed tank before starting the machine. As an option automatic dosing of the cleaning agent can be provided. Washing is performed by water circulation in a closed filtered cycle. General water supply is used for rinsing.

The main tank is equipped with manually cleaned filter (drum filter – option) for catching the bigger soils. The water (cleaning agent) for washing is heated by means of electric heaters or a steam injector.

The desired water temperature for washing can be adjusted between 30-60°C via a thermostat.

For the rinsing is used general water supply. The water used during the rinsing process is afterwards led away into the main tank and thus the water inside is constantly refreshed.

The crates are transported through the various washing zones by a motor driven transport chain. The transport speed is smoothly adjustable. The gear motor is equipped with a sliding connector to prevent eventual injuries to the personnel from the transport chain.

The control panel can be mounted either on the left or on the right side of the machine in accordance with the customer requirements.

### **Options:**

- Automatic system for detergent filling and dosing (with concentration measurement);
- Flange Ø150 for plugging to aspiration;
- Ventilation-flange, fan, control;
- Chemical disinfection - including disinfectant in the rinse;
- Thermal disinfection (additional rinsing section) – hot water 82°C is provided from the customer;
- Safety switches;
- Drum filter in pre-washing.

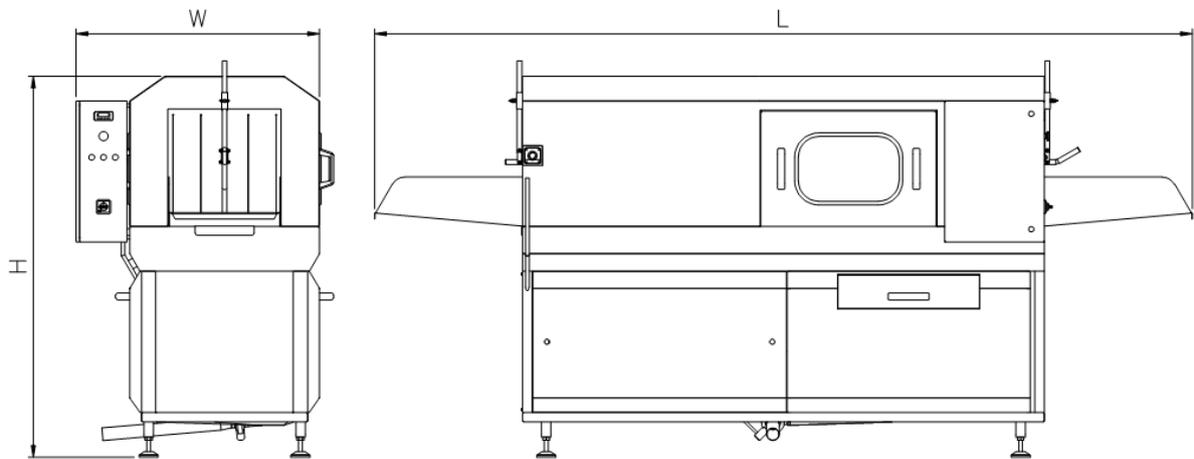
It is possible non-standard equipment depending on the customers` needs and requirements to be produced.

The machines comply with the Council Directives No. 2006/42/EC and 2006/95/EC and USDA regulations.

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**MACHINES FOR WASHING, CAPACITY MAX. 320 CRATES**



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### WASHING MACHINES FOR CRATES

Art. No.	20.0001.03	20.1001.03	20.0001.00	20.1001.00	20.0002.00	20.1002.00	20.0003.00	20.1003.00
Dimensions (L,W,H-mm)	2990/1050/1620		2990/1050/1620		3445/1050/1620		3445/1300/1670	
Designation	crates max 600/400/400 mm							
Capacity- pcs/h*	80-100		100-140		180-240		260-320	
Filter - band/drum	no/no		no/no		no/no		no/no	
Dosing/ventilation	no/no		no/no		no/no		no/no	
Pre-washing/air-drying	no/no		no/no		no/no		no/no	
Heating- electricity/steam	14 kW	3-10 bar,135°C	14 kW	3-10 bar,135°C	22 kW	3-10 bar,135°C	22 kW	3-10 bar,135°C
Washing nozzles adjustable	18/no		18/no		38/no		38/no	
Tank Volume	150		200		300		400	
Pump	1.5 kW/10 m <sup>3</sup> /h/ 2-2.5 bar		2.2 kW/14 m <sup>3</sup> /h/ 3 bar		4.0 kW/33 m <sup>3</sup> /h/ 3 bar		4.0 kW/33 m <sup>3</sup> /h/ 3 bar	
Drive - kW	no		0.18		0.25		0.25	
Installed power - kW	16	2	17	3	27	5	27	5
Power supply - electricity/water/steam/ compressed air/drain	3x400 V,50Hz/water min. 3 bar/3-10 bar,135°C / drain DN50		3x400 V,50Hz/water min. 3 bar/3-10 bar,135°C / drain DN50		3x400 V,50Hz/water min. 3 bar/3-10 bar,135°C / drain DN50		3x400 V,50Hz/water min. 3 bar/3-10 bar,135°C / drain DN50	
Miscellaneous	Manual crates moving						Cross crates moving	

\* Machine capacity depending on how dirty the crates are.