
WASHING EQUIPMENT

WASHING MACHINES FOR CRATES AND PALLETS WITH AIR-DRY MODULE

The pass-through washing machine is designed to clean E1-E3 plastic crates and H1 Pallets.

It is made entirely of stainless steel, 1.4301 DIN (AISI 304) grade with permission for contact with food - according to the standard.

The machine consists of an input transporter, a washing and rinsing section, air-blasting and an output, passive transporter.

The washing is performed by means of a centrifugal pump and adjustable nozzles. The automatic dosing of the cleaning agent is standard integrated. Washing is performed with water circulation in a closed filtered cycle. General water supply is used for rinsing.

The 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 air-blasting is performed by nozzles of the air-blade type, supplied by centrifugal fans.

The crates are transported, placed transversely with their bottoms up. The pallets – lengthwise (if necessary, special devices are installed on the pallets), with the platform facing down. 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.

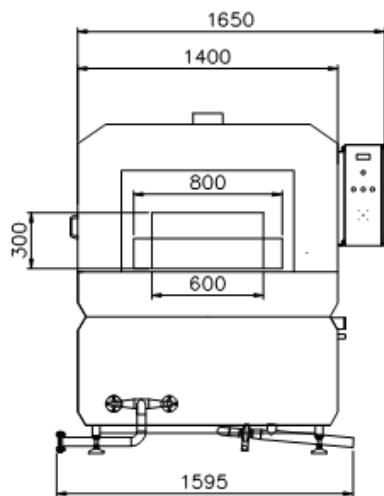
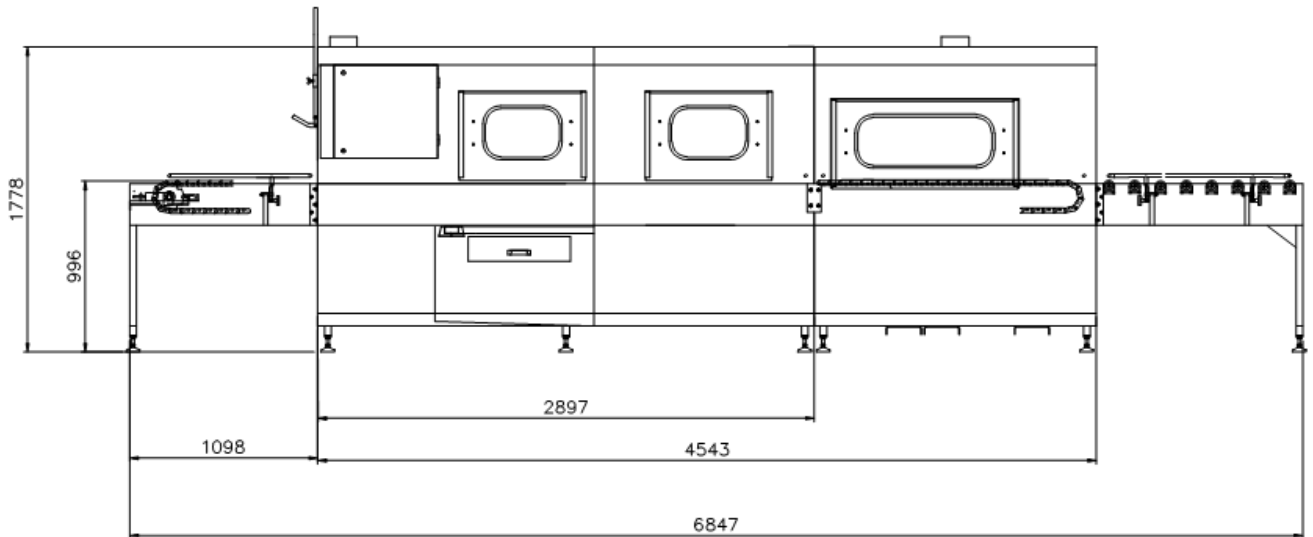
Options:

- 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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Dimensions (L,W,H-mm)	20.2011.02	20.3011.02	20.2211.02	20.3211.02	20.2211.00	20.3211.00
Designation	5225/1630/1776		6900/1630/1776		8050/1630/1776	
Capacity- pcs/h*	crates max. 600/400/400 mm; pallets 1200/800/160 mm		crates max. 600/400/400 mm; pallets 1200/800/160 mm		crates max. 600/400/400 mm; pallets 1200/800/160 mm	
Filter - band/drum	crates max. 380, paletts max. 160		crates max. 380, paletts max. 160		crates max. 380, paletts max. 160	
Dosing/ventilation	no/no		no/no		no/no	
Pre-washing/air-drying	yes/no		yes/no		yes/no	
Dimensions (L,W,H-mm)	no/no		no/3x2.2 kW		no/3x2.2 kW	
Heating- electricity/steam	33 kW	3-10 bar/135°C	33 kW	3-10 bar/135°C	33 kW	3-10 bar/135°C
Washing nozzles adjustable	38/no		38/no		38/no	
Tank Volume	400		400		400	
Pump	7.5 kW/60 m ³ /h/ 3-4 bar		7.5 kW/60 m ³ /h/ 3-4 bar		7.5 kW/60 m ³ /h/ 3-4 bar	
Drive - kW	0.55		0.55		0.55	
Installed power - kW	42	11	48	17	48	17
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	
Miscellaneous	input and output transporter		input and output transporter		Input, intermediate and output transporter	

* Machine capacity depending on how dirty the crates are.

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20.2212.00 – with input, intermediate and output transporter



20.2211.02 – with input and output transporter