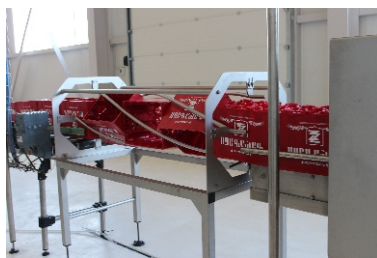


MP - crate washers



MP 2000
JCS Georgian Beer Company“, Brewery Zedazeni“, Georgia



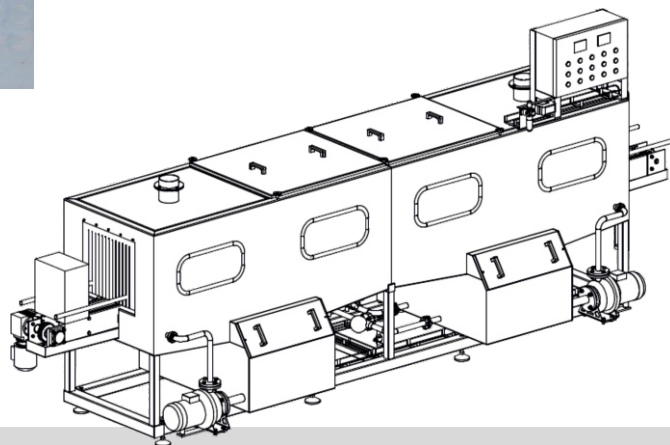
UTILISATION

- washing the outer surface of normally dirty crates

THE MAIN PARTS OF THE MACHINES

- crate conveyor
- washing tunnel
- bottles conveyor
- tubs with washing liquid

Machines of the MP series are fully automatic and are produced in stainless steel design.



DESCRIPTION OF THE FUNCTION

- the process of moving the crates, the washing of crates and their exit from the machine is fully automatic
- for removal of foreign objects from the crates the crate turners are utilised:
 - screw turning of the crates - turning of the crates by 180° using the helix sections in the transport plane of the crates
 - washing of turned crate and subsequent turning by 180°
 - „S“ turner - for turning is used the guide-section semi-circle
 - the accelerated movement of the crate in the bend and the centrifugal force causes the release of the foreign objects
 - after washing the crate is rotated by another semi-circle to its original position
- crates are washed using an intensive spray of hot washing solution
- in accordance with the performance and the degree of contamination of crates the washer is equipped with one or more washing sections
- individual sections contain separate tubs with washing liquid
- circulation of washing liquids is ensured by high-performance centrifugal pumping units
- the last washing section is rinsing
- the washer is equipped with so-called “super rinse” using drinking water
- heating of the washing liquid (60 - 80°C) is conducted through a steam loop with temperature regulation
- this regulation consists of a temperature sensor, a temperature regulator and a steam valve
- the constant level of washing solutions is maintained by a level sensor and poppet valve for adding water
- the important part is the filtration of washing liquids that is divided into the filtration of the coarse and the fine impurities
- above each of the tubs there is a flange for exhausting vapours originating during the washing



MP - crate washers

PERFORMANCE RANGE

Type	Performance		Type of machine
MP 1000	500 - 1 000	crates per hour	automatic
MP 2000	1 000 - 2 000		
MP 3000	2 000 - 4 000		



filtration of washing liquids

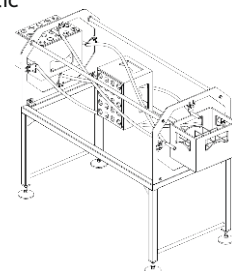


inside view



MP 2000

PepsiCo CZ s.r.o., Teplice nad Metují, Czech Republic



SELECTED REFERENCES

- PEPSICO CZ s.r.o., Teplice nad Metují, Czech Republic
MP 2000
- Dudák - Měšťanský pivovar Strakonice a.s, Czech Republic
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- JCS Georgian Beer Company, "Brewery Zedazeni", Georgia
MP 2000
- Marien Brunnen Erfrischungsgetränke GmbH, Germany
MP 3000

