

## BOTTLE WASHERS FOR VERY LOW OUTPUT



### BOTTLE WASHER ATHENA

OUTPUT RANGE: 1.500 - 6.000 BPH

- time of bottle contact with lye: 8 - 10 minutes
- output range: 1.500 - 6.000 BPH
- bottle format: 0.2 - 1.0 l, including BÜGEL
- bottle pre-injection in front of entry to lye
- pressure in rinsing sections 1.5 bar
- circulation in lye tub towards the label remover created by the pump - improved cleaning of the lye solution
- rinsing sections with rotary self-cleaning nozzle
- label removal - under and above surface rinse
- SIEMENS S7 control system displays and enables the archiving of operating data and remote management

### CLEAN BOTTLES? NO PROBLEM!

Solution we offer to you respects customers requirement for high quality washing process combined with low investments and operation costs.

- EXCEPTIONAL COST SAVINGS
- A PERFECT WASHING PROCESS IN COMPLEX CONDITIONS
- ALL TYPES OF BOTTLES
- PRIZE-WINNER IN THE AWARDS COMPETITION

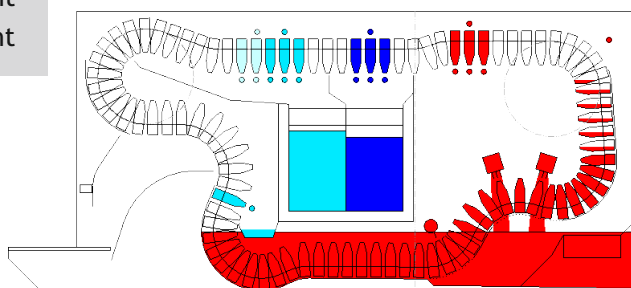
### BOTTLE WASHING RANGE

- Bottle dimension
  - 0.5l version - 55 - 72 mm diameter, 160 - 290 mm height
  - 1.0l version - 55 - 90 mm diameter, 160 - 335 mm height

### WASHING PROCESS

- |  |           |
|--|-----------|
| • bottle pre-injection                       | 45 - 55°C |
| • soaking in the lye washing bath            | 65 - 80°C |
| • lye rinsing                                | 65 - 85°C |
| • Inside and outside rinsing with warm water | 50 - 60°C |
| • Inside and outside rinsing with cold water | 25 - 35°C |

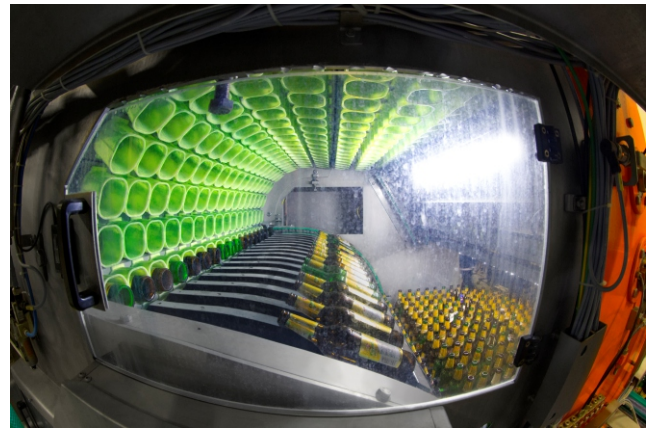
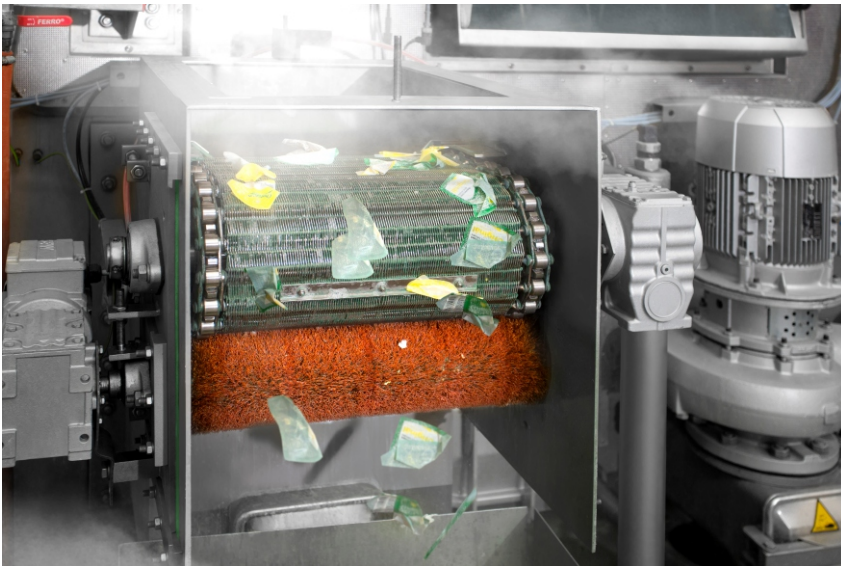
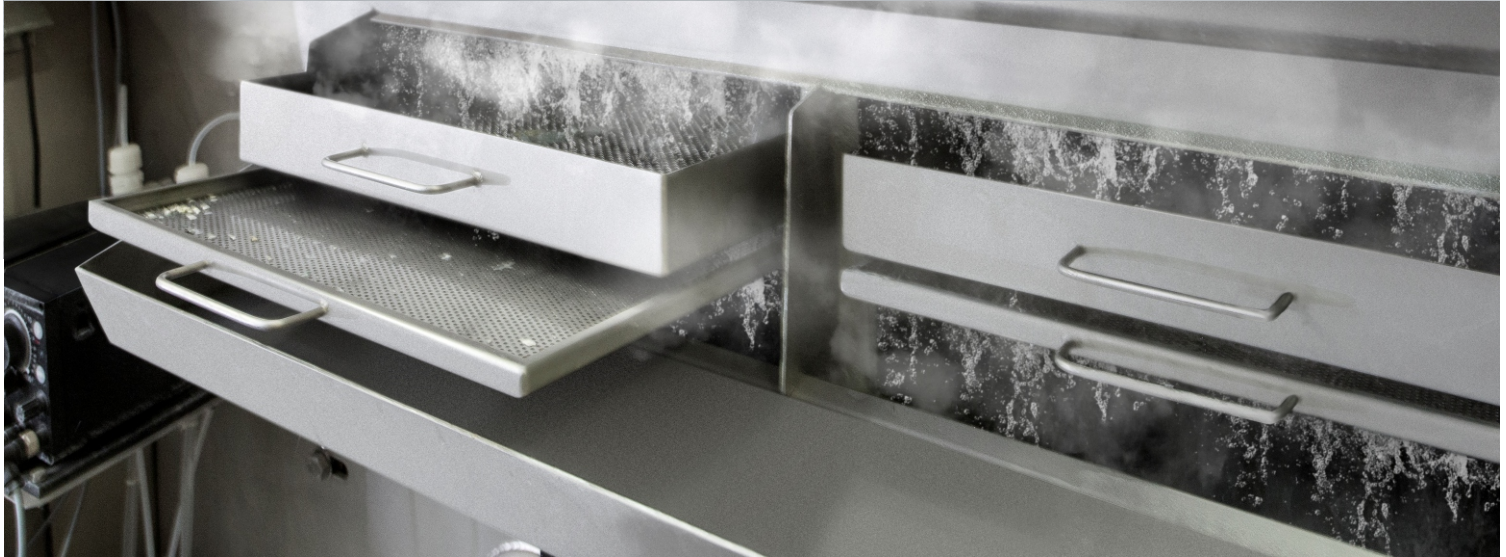
Scheme of bottle course in bottle washer





# IMPORTANT CHARACTERISTICS OF BOTTLE WASHER FOR VERY LOW OUTPUT

- special structure of label remover limiting contamination of the lye tank
- lye circulation also in the front part of the lye tank (lye tank cleaning effect)
- low transfer of lye in water sections
- drives of all mechanisms are controlled by frequency converters (delicate bottle handling)
- thermal tempering of bottles before entry into the lye section ensures pre-injection into bottles (45 - 55 °C) and together with longer wash cycle, also transfer of heat from the lye section
- step-by-step movement of the plate chain (carriers move repeatedly by one pitch of a conveyor chain, bottles are inserted and removed after stopping of bottle carriers)
- all-stainless steel design of the washer respecting frequent emptying of lye from the washer
- bügel bottles variant



Bottle washer ATHENA 16.06.02 CN  
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