



Requirements and Solutions

Knowledge of the many interdependencies and expertise in the selection and technical implementation of a widest range of customer-specific bottle washing requirements distinguish the specialists of the bottle washing technology division and their ranges of Innoclean products.

Thanks to its modular design, the single-end KHS Innoclean SE bottle washer can be configured to meet a variety of bottle washing requirements. Other energy and water-saving features are available in addition to the functions and characteristics for energy-saving and resource-conserving operation already offered in the standard version.

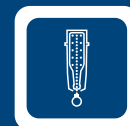
Key Features

- Project-related layout of infeed and discharge at one end of the machine
- Self-supporting, welded housing
- Swirling cavity for efficient extraction of burdened air out of the head section in order to meet high hygienic standards
- Modular design for selecting processes according to specific requirements
- Low energy consumption thanks to optimum water and heat management

Standard Equipment

- Multiple-stage bottle pre-heating and pre-washing
- Plastic bottle cells for gentle container handling
- Energy-saving bottle pocket carriers for minimized carryover of heat and liquids
- Filtration of circulating media in all treatment zones
- Cross-flow spraying for maximum spraying time and uniform bottle treatment
- Split-channel vapor extractor mounted externally over the entire width of the machine to avoid recontamination
- Heated housing surfaces above the bottle discharge prevent condensation in this critical area of the machine
- Triple-i-Drive system equipped with numerous functions for drive tasks





Advantages

- The hygienically designed spraying system means considerably fewer points for potential clinging soiling as well as greatly reduced maintenance and cleaning effort
- Automation capabilities are available in nearly all machine areas for virtually operator-free operation
- Many options are available for coupling the machine to external heat consumers such as beer pre-heaters and crate washers



Service

- Customized machine design
- Fast supply of spare parts
- Worldwide service

Options

- Pre-cleaning at increased pressure with automatic belt discharge
- Pre-caustic for labels which peel off
- Fully automatic sieve belt discharges in the water zones
- Energy-saving concept with heat recovery between various functional areas
- Electrical power-saving concept for pumps

Technical Data

Machine Capacity

15,000 bottles/hr to 170,000 bottles/hr

Available processing widths

1.6 m to 6.9 m

Processable container types

Refillable glass and PET bottles

Processable container sizes

Diameters ranging from 53 mm to 109 mm and heights from 135 mm to 340 mm