



Brüel Systems is one of Europe's largest manufacturers of fully automated crate washing and handling equipment for the food and box pool industries world wide. The company is based in Denmark. More information: www.bruelsystems.com

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Brüel

SYSTEMS

- washing & handling solutions



Washing & drying
principles

Brüel Systems WASHING and DRYING principles

Low washing temperature

Depending on the type of dirt Brüel Systems washers are capable of operating effectively at a low washing temperature of 48-50°C

- No egg white or protein baking onto the surface
- Minimal heat consumption
- Less evaporation

Effective dissolving of dirt

In Brüel Systems washers dirt is soaked/dissolved for 30-120 sec. prior to the washing stage

- Less use of energy
- Better efficiency of detergent
- Optimum washing result

Pressure 2-38 bar

Brüel Systems washers use high washing pressure and large quantities of recirculated water

- Depending on the operation between 50 and 200 m³/h of water is sprayed onto the containers to be washed
- Pressure is 2-38 bar
- The water is recirculated in order to save energy and detergent
- A pressure of 38 bar is used for difficult label removing



The 4 critical parameters

Equipment

Temperature

Chemistry

Time

Rotary self-cleaning filters

Brüel System washers are equipped with filter systems that prevent the nozzles from clogging. The filter mesh size is significantly smaller than the nozzle holes.

Following options are available according to the type of washer system:

- Rotary self-cleaning filter with screw for automatic dirt removal
- Rotary self-cleaning filter with dirt collection for manual removal
- Double filter plate system for manual cleaning during operation

Recirculated after-rinse

Brüel Systems washers incorporate recirculation of after-rinse water to reduce water consumption

- Reduced heating requirement
- Minimal water discharge to drain
- Water consumption as low as 0.2 liter per box, depending on the shape and size
- Reduced environmental impact

Turbomatic drying

Brüel Systems washers incorporate a Turbomatic drying system

- Highly efficient drying of boxes
- No heating required
- Recirculation of drying air
- Blowing off the water leaves boxes without spots and lime stains
- Reduced steam extraction
- Up to 80% saving on cost per box compared with conventional drying systems