

# FOOD AND BEVERAGE
## COOLING SOLUTIONS

**Thermal Solutions that fit your application**

### Keep Your Process Safe, Stable, and Efficient

Food and beverage production requires precise temperature control, hygienic design and maximum system availability. Continuous operation, strict regulations and sensitive products demand reliable thermal management across all process stages. The same applies inside the control cabinet where stable temperatures ensure uninterrupted operation of automation and safety systems.

### Increasing Hygiene and Washdown Requirements

- Rising demand for energy efficient cooling technologies
- Shift toward natural refrigerants and sustainable solutions
- Integration of compact cooling systems into machine designs
- Global supply and service expectations



### Pfannenberg Future Ready Thermal Management Solutions

- Holistic cooling solutions for food grade environments
- Designed for hygienic and corrosive conditions
- Reliable operation in continuous production
- Global availability and service support

# Food and Beverage Cooling Solutions Engineered to Fit Your Machine

Moisture, cleaning chemicals, and temperature swings put constant stress on equipment. Pfannenberg delivers thermal management solutions that maintain product quality, process stability, and machine uptime—engineered for today's needs and tomorrow's requirements.



## Filterfans® & Rainhoods

- Provides economical cooling for packaging enclosures in clean or lightly contaminated environments where ambient air can be used effectively.
- Stainless steel rainhoods protect against washdown, debris, and hygienecritical conditions common in food and primary packaging zones.



## Active Cooling Units

- Provides closed-loop cooling that keeps electronics isolated from dust, oil, moisture, and washdown conditions.
- Ideal for controlling heat in highduty drive cabinets, PLC enclosures, and automation panels where internal temperatures must remain below ambient.



## Air/Water Heat Exchangers

- Ideal for packaging areas where airborne contamination or caustic washdown would quickly foul traditional air conditioners.
- Uses facility chilled water to remove high thermal loads in sealed enclosures without introducing outside air.



## Compact and Packaged Chillers

- Provides stable process cooling for high heat packaging components such as sealing bars, forming systems, highpower drives, or servo motors.
- Stainless steel and custom designs support washdown, harsh environments, and specialized OEM machine requirements.



## BR50 Stack Lights + PA X 5-05

- Ensures clear visual and audible status indication for packaging machines, improving response time during jams, faults, or material changeovers.
- Compact, robust designs withstand vibration, fast machine cycles, and washdown conditions commonly found on automated lines.

**Protecting People, Machines and the Environment.**

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ELECTRO-TECHNOLOGY FOR INDUSTRY