

# Product portfolio for the beverage industry





1 Loading section

2 Brewery in Lech

# Experience and innovation

Over the last years the production process of beverages has developed rapidly. The trend towards sensitive products in the area of mineral water and soft drinks, but also the classics like fruit juices and beer require hygienically flawless production environments. Intelligent concepts for the industrial air technology are indispensable for constantly increasing productivities and capacities. Made-to-measure air guiding concepts for the beverage industry, the use of energy savings potentials by heat recovery systems in connection with the latest automation and control software guarantee low investment and operating costs.

The know-how gained over many years finds its way to the specifically for the user developed air systems solutions. From the brew house through the filling zones up to the loading section – the Voith specialists design innovative solutions which set standards. Voith considers the microbiologically very sensitive area of the filling zones by focusing on highest requirements concerning hygiene and product security.

## **Automation ensures economical system operation 24/7**

Our specialists' process know how for maximum product quality, failure-free and economical operation is available around the clock due to integration of our automation systems.

Voith Hygienic Air Technology meets these demands economically, efficiently and comprehensively by:

- Specific and optimized humidity and heat extraction by Voith vapour extraction systems
- Multi stage filter systems in connection with air sterilization by UVC
- Intelligent air guiding systems taking the machine layout into consideration thus preventing germ spreading
- Monitoring of system technology and production environment

Voith specialists accompany the beverage industry starting from the requirement analysis up to the complete project planning through the commissioning. The worldwide service guarantees fast reaction times and professional consulting by system optimization.

All this provides convincing results:

- Germ-free conditions/ clean room demands in the filling areas
- Protection and preservation of the basic structure of the building by keeping it dry or dehumidified
- Minimization of dust and soot in the loading area
- Investment security by long durability in the industrial continuous operation
- Reduction of operating costs by optimization of the energy consumption



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3 Filling

4 Filtration

## The program for the beverage industry

Air conditioning and process air systems for all areas of the beverage industry:

- Filling areas for glass and PET-bottles, cans and KEG's
- Brewhouses
- CIP-rooms
- Sirup-rooms
- Filtration
- Ageing storage
- Clean room areas
- Chemical storage
- Logistic areas: warehouses for full and empty bottles, high bay warehouses
- Loading areas
- Machine houses and all other functional areas

Process engineering:

- Heat recovery systems
- Air / Air heat exchangers with glass or stainless steel pipes
- Cold and warm water systems
- Process air systems
- Dehumidifying systems
- Suction systems / Vapor extraction systems
- Filtration systems
- Air sterilization by UVC
- Clean room technology
- Steam and condensate systems

Service:

- 24 hour emergency service
- Maintenance
- Spare parts
- Measuring, analysis and optimizations
- Consultation and training
- Telemaintenance (modem / internet)
- Hygiene inspections (VDI 6022 / 3)
- Hygiene training

Automation:

- Process and building automation system based on Siemens Simatic and Win CC
- Technical consulting
- Software development
- Project planning
- Electrical, measuring and control design construction (CAE)
- Electrical installation
- System optimization
- Rebuilds and upgrades
- Assembly and commissioning
- Training



### Headquarters

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