



# PurBev<sup>®</sup>

The hygienic design  
standard for beverage  
water treatment

# PurBev<sup>®</sup>

h y g i e n



Veolia Water Technologies is the leader in the water purification market and is breaking new ground in hygienic design innovation.

The PurBev hygienic design standard was developed in accordance with existing legislation, and in-line with international standards and directives applying specifically to beverage production. Designed by our highly experienced engineering team, PurBev is a robust water purification system, which is future-proofed to fulfill your business needs as well as current and future hygiene guidelines.

## System design

Minimising microbial risks in your system:

- Surfaces can be cleaned and sanitised in place
- Self-draining piping arrangement
- Pipeline gradient 1-3%
- Hygienic joints and gaskets
- Optimised flow design to avoid stagnant water

Prevention of external impurities:

- Closed process
- High degree of automation
- Surfaces suited for residue-free cleaning

Reliable cleaning and disinfection:

- Surfaces CIP/SIP able
- Mixproof separation of media
- Defined cleaning paths
- Defined flow velocity for cleaning

Continuous monitoring:

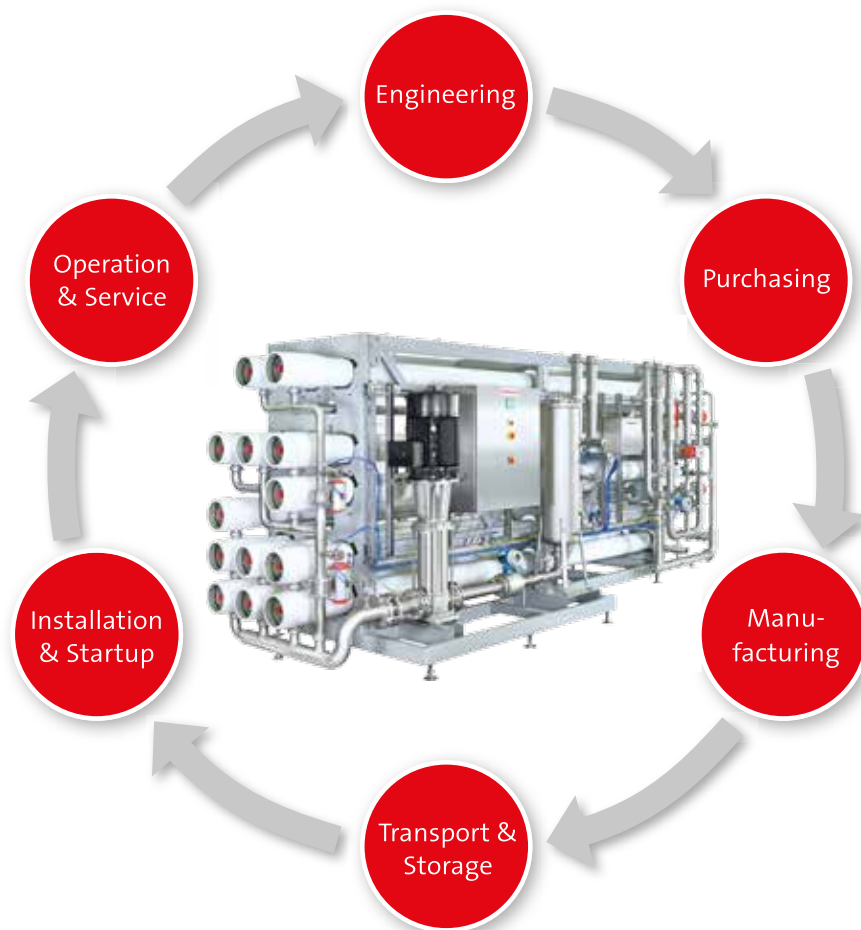
- Online quality assurance
- Trend analysis
- Traceability of individual batches



# ic design for the bevera

## PurBev<sup>®</sup> benefits

- **Optimum product quality and product safety** by minimising microbiological risks
- **Maximum system availability** thanks to longer cleaning intervals and maintenance cycles
- **Economical operation** based on high system efficiency and decreased need of cleaning supplies
- **Low maintenance and service costs** due to less and freely accessible components
- **Lower OPEX** due to chemical, water and energy savings
- **Sustainability:** Longer lifetime and lower lifecycle costs (low TCO)



# ge industry



## Hygiene as a holistic concept

### Hygienic materials and components

Special materials and components prevent microbial risks and ensure optimum product quality.

### Trained personnel

Continuous hygiene training programs provided by Veolia prevent contamination caused by improper handling of components and systems.

### Quality assurance

Planning, procurement, production, logistics, assembly and startup are carefully tailored to suit the specific requirements on hygiene.

### Service Excellence

Veolia has a wide range of service packages to maintain the performance and extend the life of your system. We also work with our customers to develop solutions that suit their business needs – no matter the size or scope of the sites, we have a comprehensive range of service offerings that can be tailored to meet your requirements.

Find out more at [service.veoliawatertechnologies.co.uk](http://service.veoliawatertechnologies.co.uk)



# PurBev® Series

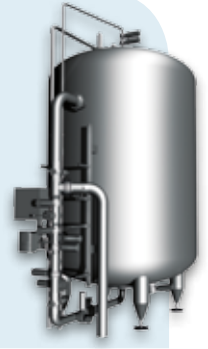
All PurBev® series are based on a standard system, which can be scaled and modified according to your requirements. The series' uniform basic design reduces engineering efforts and ensures maximum quality. The systems are available in all hydraulic capacities required in beverage production.

**PurBev®** series also includes:

- **PurBev®** pump skids
- **PurBev®** storage tanks
- **PurBev®** water distribution systems
- **PurBev®** control and display units
- **PurBev®** quality monitoring systems

## PurBev® Media Filter

- Removes iron, manganese and particles
- Reduces arsenic, uranium, fluoride and turbidity



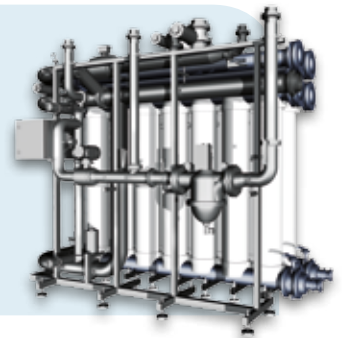
## PurBev® Carbon Filter

- Removes odour and anthropogenic trace elements
- Reduces trihalogenmethanes (THM) as well as free and bonded chlorine
- Optimises taste



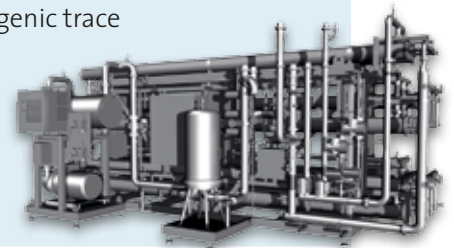
## PurBev® UF

- Removes pathogens, high molecular weight species (HMWS) and particles
- Reduces turbidity



## PurBev® RO

- Removes organic matter, reaction byproducts and anthropogenic trace elements
- Reduces total dissolved salts (TDS) and carbonate hardness



“Veolia’s service engineers are highly trained, very friendly and have excellent product knowledge – first class service.”

**Simon Adam**

Process Engineer

G J Greenall Ltd, Warrington

Resourcing the world

**Veolia Water Technologies**

Windsor Court • Kingsmead Business Park  
High Wycombe • Buckinghamshire • HP11 1JU  
01628 897260 • [sales.watertech@veolia.com](mailto:sales.watertech@veolia.com)  
[www.veoliawatertechnologies.co.uk](http://www.veoliawatertechnologies.co.uk)