



**FOOD
INDUSTRY
WATER
TREATMENT**

SOLUTIONS FOR
THE INDUSTRY

FOOD AND BEVERAGE INDUSTRY

Eating and drinking are basic human needs. The food and beverage industry ensures the supply of high-quality foodstuffs and thus represents one of the most important industries in the world.

At the same time, manufacturers are caught between the conflicting priorities of rising costs, strict legal requirements and the ever-increasing importance of sustainability.

These complex challenges can only be met by future-proofing production processes and the plant technology required to meet them. Since water is an important ingredient, water treatment is one of the central tasks.

WATER AS INGREDIENT AND CLEANING AGENT

In food and beverage production, water is used as an ingredient (product water), for cleaning (e.g. of production equipment or bottles) and as process water (e.g. boiler feed water or cooling water). Consequently, differing requirements as to water quality and plant technology have to be met.

Our water treatment units take all the requirements of the industry into account: from the selection of suitable materials, valves and process connections to customised cleaning or sanitisation concepts.

Based on our standard series, we develop a customised unit that is exactly tailored to your application.

MADE IN GERMANY. INSTALLED WORLDWIDE. SINCE 1947.

FILTRATION WITH PLC IN A CONTAINER

Iron and manganese removal
for a malting plant
in Germany

RO UNIT UO-D 1500 / EP2200 / MEG 2500

Ultra pure water
for producer of softdrinks
in UK

RO UNIT STAINLESS STEEL UO-D 1500 VA

Water as ingredient
for producer of softdrinks
in Belgium

"WE FOCUS ON ADAPTING OUR RESOURCE-EFFICIENT SYSTEMS EXACTLY TO THE CUSTOMER'S HYGIENIC DESIGN REQUIREMENTS."

Carl Tiefenbacher
(Head of Design and R&D department, Herco)

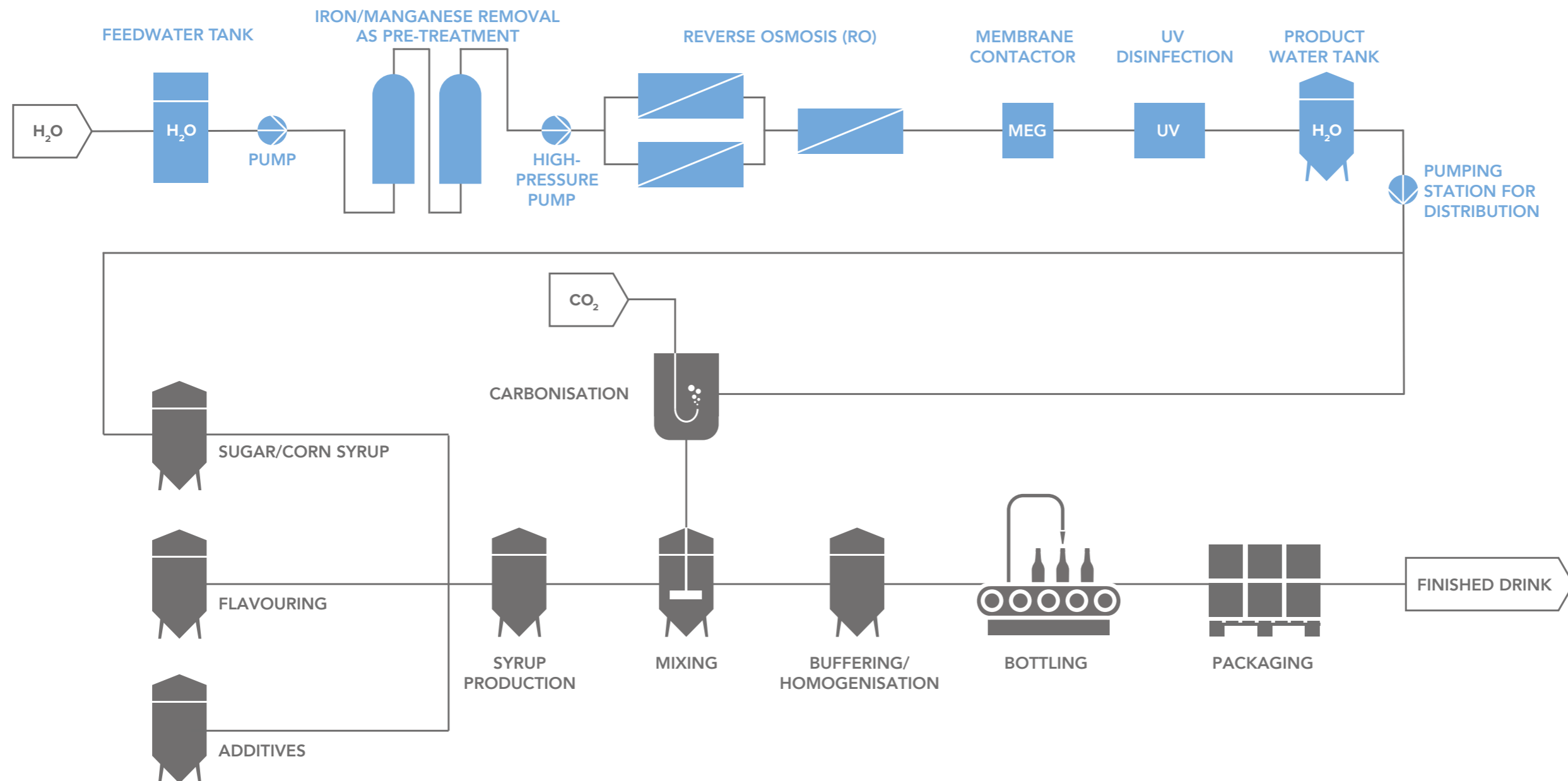


OUR TECHNOLOGY

1 PRE-TREATMENT
Filtration
Iron/manganese removal
Softening

2 REVERSE OSMOSIS
RO in hygienic design
CIP/SIP concept
MEG for removal of CO_2/O_2

3 FURTHER TREATMENT
Activated carbon filter
UV disinfection





TRUST US.

WE ALWAYS PUT QUALITY FIRST.

WE UNDERSTAND YOUR NEEDS.

STRICT REQUIREMENTS

In the food sector, norms such as regulation (EC) 1935/2004 or (EC) 2023/2006 have to be observed. Guidelines such as DIN 10528, DIN 11853 or EHEDG Doc. 28 are consulted in order to design the water treatment system in such a way that microbial contamination is prevented or reliably removed. In addition, there are customer-specific requirements, e.g. considering approved brands. We offer treatment units of certified quality (DIN ISO 9001, EN ISO 13485), which are planned with these requirements in mind and are manufactured by our production team in Germany.

LIFE CYCLE COST UNDER CONTROL

Resource-saving plants ensure the future viability of your production site. Due to energy and water saving measures, we minimise the life cycle cost of your new reverse osmosis unit. By retrofitting a second RO stage, we reduce the wastewater volume of existing RO units by 50 - 75 %.

WHY HERCO FOR FOOD & BEVERAGE?

We have many years of experience both in plastic (PVC, PP) and in stainless steel plant engineering. Because of standardisation and direct communication between design and production departments, we achieve short delivery times even for complex projects. Our high-quality plants are inspected in our in-house testing area. We also offer you factory acceptance tests (FAT) and training directly at your ordered unit.

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