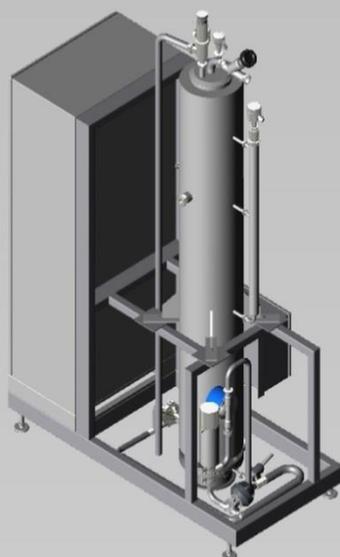


Sterilization-in-Place

SIP



The Principle

Where more stringent hygienic standards apply, sterilization-in-place (SIP) is done after CIP cleaning. SIP kills harmful microorganisms that may have survived CIP or in cases where Cleaning-in-Place is not performed. Centec provide a large variety of SIP systems. SIP systems are designed in such a way that optimal sterilization results are ensured, with the lowest consumption of water, chemicals and energy. While one part of the plant is sterilized other areas can continue to produce product. For the production of pure steam, Centec offer pure steam generators. The steam temperature is above 121 °C. If required the pure steam generator can be enlarged by additional columns to build up a multi effect distillation system. This allows combined generation of pure water and pure steam.

Typical Technical Data

Capacity	according to requirements
Sterilization Media	hot water, steam, chemical disinfectants
Material	according to requirements
Heating Medium	steam, electric heating
Options	double seat valve technology water purification pure steam generation storage tanks

Highlights

Sterilization concept ideally configured to requirements
Water purification and pure steam generation on demand
Customized design; different automation levels

The Centec Group

Centec offer fully automated, skid-mounted process units and high precision measurement technology from a single source. Our systems and sensors are engineered to perfectly meet the most demanding requirements of the brewery, beverage, food and pharmaceutical industries. With a team of experienced engineers, we aim to create quantifiable added value for our customers. We are your partner from planning and design through to commissioning of your plant.



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